



# 40:1 Premix Small Engine Fuel

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)  
Issue date: 2/17/2026 Version: 1.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : 40:1 Premix Small Engine Fuel

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Fuel  
Restrictions on use : No additional information available

#### 1.4. Supplier's details

**Supplier**  
VP Racing Fuels, Inc.  
7124 Richter Road  
Elmendorf, TX 78112  
USA  
T +1 210-635-7744

#### 1.5. Emergency phone number

Emergency number : CHEMTREC  
USA Toll Free: +1-800-424-9300; International: +1-703-527-3887  
Canada Local: +1 703-741-5970

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR § 1910.1200)

|                                                                                            |      |                                                                 |
|--------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------|
| Flammable liquid, Category 2                                                               | H225 | Highly flammable liquid and vapor.                              |
| Skin corrosion/irritation, Category 2                                                      | H315 | Causes skin irritation.                                         |
| Serious eye damage/eye irritation, Category 2A                                             | H319 | Causes serious eye irritation.                                  |
| Carcinogenicity, Category 1B                                                               | H350 | May cause cancer.                                               |
| Reproductive toxicity, Category 2                                                          | H361 | Suspected of damaging fertility or the unborn child.            |
| Specific target organ toxicity — Single exposure, Category 2                               | H371 | May cause damage to organs.                                     |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis                     | H336 | May cause drowsiness or dizziness.                              |
| Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation | H335 | May cause respiratory irritation.                               |
| Specific target organ toxicity — Repeated exposure, Category 1                             | H372 | Causes damage to organs through prolonged or repeated exposure. |
| Aspiration hazard, Category 1                                                              | H304 | May be fatal if swallowed and enters airways.                   |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2                          | H411 | Toxic to aquatic life with long lasting effects.                |
| Full text of H statements : see section 16                                                 |      |                                                                 |

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US) : Danger

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|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard statements (GHS US)        | : H225 - Highly flammable liquid and vapor<br>H304 - May be fatal if swallowed and enters airways<br>H315 - Causes skin irritation<br>H319 - Causes serious eye irritation<br>H335 - May cause respiratory irritation<br>H336 - May cause drowsiness or dizziness<br>H350 - May cause cancer.<br>H361 - Suspected of damaging fertility or the unborn child<br>H371 - May cause damage to organs.<br>H372 - Causes damage to organs through prolonged or repeated exposure<br>H411 - Toxic to aquatic life with long lasting effects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Precautionary statements (GHS US) | : P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 - Keep container tightly closed.<br>P240 - Ground/Bond container and receiving equipment.<br>P241 - Use explosion-proof electrical, ventilating, lighting equipment.<br>P242 - Use non-sparking tools.<br>P243 - Take action to prevent static discharges.<br>P260 - Do not breathe vapors.<br>P264 - Wash hands thoroughly after handling.<br>P270 - Do not eat, drink or smoke when using this product.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection.<br>P301+P310 - If swallowed: Immediately call a POISON CENTER, a doctor.<br>P302+P352 - If on skin: Wash with plenty of soap and water.<br>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.<br>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P311 - If exposed or concerned: Call a POISON CENTER, a doctor.<br>P308+P313 - If exposed or concerned: Get medical advice/attention.<br>P321 - Specific treatment (see supplemental first aid instruction on this label).<br>P331 - Do NOT induce vomiting.<br>P332+P313 - If skin irritation occurs: Get medical advice or attention.<br>P337+P313 - If eye irritation persists: Get medical advice or attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), extinguishing powder to extinguish.<br>P391 - Collect spillage.<br>P403+P235 - Store in a well-ventilated place. Keep cool.<br>P405 - Store locked up.<br>P501 - Dispose of contents and container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

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### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of § 1910.1200

| Name                                                     | Product identifier  | %         | GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR § 1910.1200)                                                                                          |
|----------------------------------------------------------|---------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Naphtha (petroleum), full-range alkylate, butane-contg.* | CAS-No.: 68527-27-5 | 45 - 70   | Flam. Liq. 1, H224<br>Skin Irrit. 2, H315<br>Repr. 2, H361<br>STOT SE 2, H371<br>STOT SE 3, H336<br>STOT SE 3, H335<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411     |
| Toluene                                                  | CAS-No.: 108-88-3   | 10 - 30   | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Repr. 2, H361<br>STOT SE 3, H336<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412 |
| Isopentane                                               | CAS-No.: 78-78-4    | 5 - 10    | Flam. Liq. 1, H224<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                                                                                      |
| Distillates (petroleum), hydrotreated heavy paraffinic   | CAS-No.: 64742-54-7 | 0.5 - 1.5 | Asp. Tox. 1, H304                                                                                                                                                                          |
| n-hexane                                                 | CAS-No.: 110-54-3   | 0.1 - 1   | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>STOT RE 2, H373<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411<br>Repr. 2, H361                                           |
| Distillates (petroleum), hydrotreated middle             | CAS-No.: 64742-46-7 | 0.1 - 1   | Carc. 1B, H350<br>Asp. Tox. 1, H304                                                                                                                                                        |

Comments : \* used interchangeably with CAS 64741-64-6. The substitution of the substance does not affect its classification.

Substances considered to be Marine Pollutant according to transport regulations:

Naphtha (petroleum), full-range alkylate, butane-contg.

Full text of hazard classes and H-statements : see section 16

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### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

|                                       |                                                                                                                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : If medical advice is needed, have product container or label at hand.                                                                                                                                                                                  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. Give oxygen or artificial respiration if necessary.                                                                                    |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.                                                                               |
| First-aid measures after eye contact  | : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                                 |
| First-aid measures after ingestion    | : If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. |

#### 4.2. Most important symptoms/effects, acute and delayed

|                                     |                                                                                                                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : May cause damage to organs.                                                                                                                                                                 |
| Symptoms/effects after inhalation   | : Inhalation may cause irritation (cough, short breathing, difficulty in breathing). May cause drowsiness or dizziness.                                                                       |
| Symptoms/effects after skin contact | : Causes skin irritation. Redness. Itching. Swelling.                                                                                                                                         |
| Symptoms/effects after eye contact  | : Causes serious eye irritation. Redness. Itching. Lacrimation. Blurred vision.                                                                                                               |
| Symptoms/effects after ingestion    | : May be fatal if swallowed and enters airways. Aspiration of the product into the lungs may cause very serious pneumonia. Ingestion may cause nausea, vomiting and diarrhea. Abdominal pain. |
| Chronic symptoms                    | : May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.                                                      |

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

|                                   |                                                                                                         |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|
| Other medical advice or treatment | : Treat symptomatically. Symptoms may be delayed. Keep under medical supervision for at least 48 hours. |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

|                                |                                                                                                                               |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : Dry chemical, CO <sub>2</sub> , dry sand, or alcohol-resistant foam. Use extinguishing agent suitable for surrounding fire. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                                                                            |

#### 5.2. Specific hazards arising from the chemical

|                                                  |                                                                                                                                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire hazard                                      | : Highly flammable liquid and vapor. Burning produces irritating, toxic and noxious fumes. In case of fire and/or explosion do not breathe fumes. Heating will cause a rise in pressure with a risk of bursting. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides.                                                                                                                                 |

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Evacuate the danger area. Move containers from fire area if it can be done without personal risk. Fight fire from safe distance and protected location. Use water spray or fog for cooling exposed containers. Use extinguishing media appropriate for surrounding fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus. Complete protective clothing.                                                                                            |

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### SECTION 6 Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### For non-emergency personnel

- |                      |   |                                                                                                                                                                                                                                                                                                    |
|----------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : | Wear recommended personal protective equipment.                                                                                                                                                                                                                                                    |
| Emergency procedures | : | Evacuate unnecessary personnel. Ventilate spillage area. Avoid breathing vapors. Do not get in eyes, on skin, or on clothing. Avoid contact with skin and eyes. Do not touch or walk on the spilled product. No action shall be taken without appropriate training or involving any personal risk. |

##### For emergency responders

- |                           |   |                                                                                                                                                                                                             |
|---------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment      | : | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".                                                   |
| Emergency procedures      | : | Evacuate unnecessary personnel.                                                                                                                                                                             |
| Environmental precautions | : | Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers or public waters. |

#### 6.2. Methods and materials for containment and cleaning up

- |                         |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : | Stop leak if safe to do so. Collect spillage. Do not touch or walk on the spilled product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Methods for cleaning up | : | Caution : this product can cause the floor to be slippery. Move containers from spill area. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Do not absorb with saw-dust or any other combustible absorbent material. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Clean contaminated surfaces with an excess of water. Prevent entry to sewers and public waters. Never return unused material to original container. Use non-sparking tools. |
| Other information       | : | Dispose of via an authorised person/ licensed waste disposal contractor or by other suitable waste treatment techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

- |                                   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling     | : | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Avoid breathing vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid contact during pregnancy and while nursing. Avoid release to the environment. Keep only in original container. Empty containers retain product residue and can be hazardous. Do not re-use container for any purpose. Eliminate all ignition sources if safe to do so. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Use approved electrical and mechanical equipment in accordance with respective zone. |
| Hygiene measures                  | : | Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Additional hazards when processed | : | This product is not classified as corrosive to metals under GHS criteria. However, certain chemical formulations may interact with specific metals or alloys over time, potentially causing degradation, rusting, or pitting. Users should verify material compatibility prior to use, especially for equipment and storage tanks containing copper, brass, polymeric materials, sealants, or other reactive metals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : It is recommended to use corrosion-resistant materials such as stainless steel, aluminum, or fluoropolymers for storage and handling. Regular inspection and maintenance of equipment exposed to chemical products are advised to ensure integrity and safe operation. |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 7.2. Conditions for safe storage, including incompatibilities

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage conditions     | : Store in dry, cool, well-ventilated area. Keep away from food, drink and animal feed. Keep container closed when not in use. Containers which are opened should be properly resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Store in accordance with local, regional, national or international regulation. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. |
| Storage area           | : Store in a well-ventilated place.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Incompatible products  | : Oxidizing agent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Incompatible materials | : Direct sunlight. Heat sources. Ignition sources.                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

| n-hexane (110-54-3)                           |                                                                                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| USA - ACGIH® - Threshold Limit Values         |                                                                                                                                      |
| Local name                                    | n-Hexane                                                                                                                             |
| ACGIH® TLV® TWA                               | 176 mg/m³                                                                                                                            |
|                                               | 50 ppm                                                                                                                               |
| Remark (ACGIH®)                               | TLV® Basis: CNS impair; Peripheral neuropathy; Eye & URT irr. Notations: Skin; BEI                                                   |
| Regulatory reference                          | ACGIH 2025                                                                                                                           |
| USA - ACGIH® - Biological Exposure Indices    |                                                                                                                                      |
| Local name                                    | n-Hexane                                                                                                                             |
| BEI (BLV)                                     | 0.5 mg/l Parameter: 2,5-Hexanedione - Medium: urine - Sampling time: End of shift                                                    |
| Regulatory reference                          | ACGIH 2025                                                                                                                           |
| USA - OSHA - Occupational Exposure Limits     |                                                                                                                                      |
| Local name                                    | n-Hexane                                                                                                                             |
| OSHA PEL TWA                                  | 1800 mg/m³                                                                                                                           |
|                                               | 500 ppm                                                                                                                              |
| Regulatory reference (US-OSHA)                | OSHA Annotated Table Z-1                                                                                                             |
| USA - Cal/OSHA - Occupational Exposure Limits |                                                                                                                                      |
| Local name                                    | n-Hexane                                                                                                                             |
| Cal/OSHA PEL (OEL TWA)                        | 180 mg/m³                                                                                                                            |
|                                               | 50 ppm                                                                                                                               |
| Remark (Cal/OSHA)                             | S - Skin notation and Protecting Clothing                                                                                            |
| Regulatory reference                          | California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1) |
| USA - NIOSH - Occupational Exposure Limits    |                                                                                                                                      |
| Local name                                    | n-Hexane                                                                                                                             |

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|                                                                                      |                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>n-hexane (110-54-3)</b>                                                           |                                                                                                                                                                                                                                                                                       |
| NIOSH REL 10h TWA                                                                    | 50 ppm                                                                                                                                                                                                                                                                                |
| Regulatory reference (US-NIOSH)                                                      | OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))                                                                                                                                                                                                               |
| <b>Toluene (108-88-3)</b>                                                            |                                                                                                                                                                                                                                                                                       |
| <b>USA - ACGIH® - Threshold Limit Values</b>                                         |                                                                                                                                                                                                                                                                                       |
| Local name                                                                           | Toluene                                                                                                                                                                                                                                                                               |
| ACGIH® TLV® TWA                                                                      | 20 ppm                                                                                                                                                                                                                                                                                |
| Remark (ACGIH®)                                                                      | TLV® Basis: CNS, Hearing & Visual impair; Female repro system eff; Pregnancy loss.<br>Notations: OTO (Ototoxicant); A4 (Not classifiable as a Human Carcinogen); BEI                                                                                                                  |
| Regulatory reference                                                                 | ACGIH 2025                                                                                                                                                                                                                                                                            |
| <b>USA - ACGIH® - Biological Exposure Indices</b>                                    |                                                                                                                                                                                                                                                                                       |
| Local name                                                                           | Toluene                                                                                                                                                                                                                                                                               |
| BEI (BLV)                                                                            | 0.3 mg/g Kreatinin Parameter: o-Cresol - Medium: urine - Sampling time: End of shift -<br>Notations: B<br>0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: Prior to last shift of workweek<br>0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: End of shift |
| Regulatory reference                                                                 | ACGIH 2025                                                                                                                                                                                                                                                                            |
| <b>USA - OSHA - Occupational Exposure Limits</b>                                     |                                                                                                                                                                                                                                                                                       |
| Local name                                                                           | Toluene                                                                                                                                                                                                                                                                               |
| OSHA PEL TWA                                                                         | 200 ppm                                                                                                                                                                                                                                                                               |
| OSHA PEL (Ceiling)                                                                   | 300 ppm                                                                                                                                                                                                                                                                               |
| Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift | 500 ppm 10 mins.                                                                                                                                                                                                                                                                      |
| Regulatory reference (US-OSHA)                                                       | OSHA Annotated Table Z-2                                                                                                                                                                                                                                                              |
| <b>USA - Cal/OSHA - Occupational Exposure Limits</b>                                 |                                                                                                                                                                                                                                                                                       |
| Local name                                                                           | Toluene; toluol                                                                                                                                                                                                                                                                       |
| Cal/OSHA PEL (OEL TWA)                                                               | 37 mg/m³                                                                                                                                                                                                                                                                              |
|                                                                                      | 10 ppm                                                                                                                                                                                                                                                                                |
| Cal/OSHA STEL                                                                        | 560 mg/m³                                                                                                                                                                                                                                                                             |
|                                                                                      | 150 ppm                                                                                                                                                                                                                                                                               |
| Cal/OSHA C                                                                           | 500 ppm                                                                                                                                                                                                                                                                               |
| Remark (Cal/OSHA)                                                                    | S - Skin notation and Protecting Clothing                                                                                                                                                                                                                                             |
| Regulatory reference                                                                 | California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)                                                                                                                                                  |
| <b>USA - NIOSH - Occupational Exposure Limits</b>                                    |                                                                                                                                                                                                                                                                                       |
| Local name                                                                           | Toluene                                                                                                                                                                                                                                                                               |
| NIOSH REL 10h TWA                                                                    | 100 ppm                                                                                                                                                                                                                                                                               |
| NIOSH REL (STEL)                                                                     | 150 ppm                                                                                                                                                                                                                                                                               |
| Regulatory reference (US-NIOSH)                                                      | OSHA Annotated Table Z-2 (NIOSH Pocket Guide to Chemical Hazards (NPG))                                                                                                                                                                                                               |

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| Isopentane (78-78-4)                  |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| USA - ACGIH® - Threshold Limit Values |                                                                                      |
| Local name                            | Isopentane                                                                           |
| ACGIH® TLV® TWA                       | 2950 mg/m³                                                                           |
|                                       | 1000 ppm                                                                             |
| Remark (ACGIH®)                       | TLV® Basis: Narcosis; resp tract irr                                                 |
| Regulatory reference                  | ACGIH 2025                                                                           |
| Monitoring methods                    |                                                                                      |
| Monitoring methods                    | Refer to all applicable national, international and local regulations or provisions. |

### 8.2. Appropriate engineering controls

|                                  |                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | : Handle in accordance with good industrial hygiene and safety procedures. Provide local exhaust or general room ventilation. Avoid all unnecessary exposure. Ensure exposure is below occupational exposure limits (where available). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Environmental exposure controls  | : Avoid release to the environment. Prevent entry to sewers and public waters. Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil.                                                                                                                                                                      |

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment. Personal protective equipment should be chosen according to the NIOSH standards and in discussion with the supplier of the protective equipment.

|                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hand protection:</b>                                                                                                                                                                                                                                                                                                                                                                  |
| Chemical resistant gloves (according to NIOSH standard). Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use                                                                  |
| <b>Eye protection:</b>                                                                                                                                                                                                                                                                                                                                                                   |
| Chemical goggles or safety glasses                                                                                                                                                                                                                                                                                                                                                       |
| <b>Skin and body protection:</b>                                                                                                                                                                                                                                                                                                                                                         |
| Wear suitable protective clothing. Skin protection appropriate to the conditions of use should be provided                                                                                                                                                                                                                                                                               |
| <b>Respiratory protection:</b>                                                                                                                                                                                                                                                                                                                                                           |
| In case of insufficient ventilation, wear suitable respiratory equipment. An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits. All respirators must conform to specifications for efficiency and performance indicated by OSHA Standard 29 CFR 1910.134 and NIOSH Standards |

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                |                          |
|----------------|--------------------------|
| Physical state | : Liquid                 |
| Color          | : Red                    |
| Odor           | : Hydrocarbons, aromatic |
| Odor threshold | : No data available      |
| pH             | : No data available      |
| Melting point  | : No data available      |
| Freezing point | : No data available      |
| Boiling point  | : 39 °C (102 °F)         |



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|                                                 |                                             |
|-------------------------------------------------|---------------------------------------------|
| Flash point                                     | : < 22.99 °C (< 73.38 °F, calculated value) |
| Flammability (solid, gas)                       | : No data available                         |
| Vapor pressure                                  | : No data available                         |
| Relative vapor density at 20°C                  | : No data available                         |
| Relative density                                | : 0.7335                                    |
| Solubility                                      | : No data available                         |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                         |
| Auto-ignition temperature                       | : No data available                         |
| Decomposition temperature                       | : No data available                         |
| Viscosity, kinematic                            | : < 20.5 mm²/s (40 °C, 104 °F)              |
| Explosion limits                                | : No data available                         |
| Particle characteristics                        | : No data available                         |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapor. Vapours can form explosive mixtures with air. Heating may cause a fire or explosion.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization: Will not occur.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Protect from sunlight. Overheating. Heat and ignition sources. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| n-hexane (110-54-3)            |               |
|--------------------------------|---------------|
| LD50 oral rat                  | 15840 mg/kg   |
| LC50 Inhalation - Rat (Vapors) | 169.2 mg/l/4h |
| Toluene (108-88-3)             |               |
| LD50 oral rat                  | 2600 mg/kg    |
| LD50 dermal rabbit             | 14.1 ml/kg    |

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|                                                                            |                                                                                                                                                                                               |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toluene (108-88-3)</b>                                                  |                                                                                                                                                                                               |
| LC50 Inhalation - Rat                                                      | 8000 mg/l/4h                                                                                                                                                                                  |
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b> |                                                                                                                                                                                               |
| LD50 oral rat                                                              | > 5000 mg/kg                                                                                                                                                                                  |
| LD50 dermal rabbit                                                         | > 2000 mg/kg                                                                                                                                                                                  |
| LC50 Inhalation - Rat                                                      | > 5000 mg/l/4h                                                                                                                                                                                |
| <b>Isopentane (78-78-4)</b>                                                |                                                                                                                                                                                               |
| LD50 oral rat                                                              | > 2000 mg/kg                                                                                                                                                                                  |
| LC50 Inhalation - Rat (Vapors)                                             | > 25.3 mg/l/4h                                                                                                                                                                                |
| Skin corrosion/irritation                                                  | : Causes skin irritation.                                                                                                                                                                     |
| Serious eye damage/irritation                                              | : Causes serious eye irritation.                                                                                                                                                              |
| Respiratory or skin sensitization                                          | : Not classified                                                                                                                                                                              |
| Germ cell mutagenicity                                                     | : Not classified                                                                                                                                                                              |
| Carcinogenicity                                                            | : May cause cancer.                                                                                                                                                                           |
| <b>Toluene (108-88-3)</b>                                                  |                                                                                                                                                                                               |
| IARC group                                                                 | 3 - Not classifiable                                                                                                                                                                          |
| Reproductive toxicity                                                      | : Suspected of damaging fertility or the unborn child.                                                                                                                                        |
| STOT-single exposure                                                       | : May cause damage to organs. May cause drowsiness or dizziness. May cause respiratory irritation.                                                                                            |
| STOT-repeated exposure                                                     | : Causes damage to organs through prolonged or repeated exposure.                                                                                                                             |
| Aspiration hazard                                                          | : May be fatal if swallowed and enters airways.                                                                                                                                               |
| <b>40:1 Premix Small Engine Fuel</b>                                       |                                                                                                                                                                                               |
| Viscosity, kinematic                                                       | < 20.5 mm²/s (40 °C, 104 °F)                                                                                                                                                                  |
| Symptoms/effects                                                           | : May cause damage to organs.                                                                                                                                                                 |
| Symptoms/effects after inhalation                                          | : Inhalation may cause irritation (cough, short breathing, difficulty in breathing). May cause drowsiness or dizziness.                                                                       |
| Symptoms/effects after skin contact                                        | : Causes skin irritation. Redness. Itching. Swelling.                                                                                                                                         |
| Symptoms/effects after eye contact                                         | : Causes serious eye irritation. Redness. Itching. Lacrimation. Blurred vision.                                                                                                               |
| Symptoms/effects after ingestion                                           | : May be fatal if swallowed and enters airways. Aspiration of the product into the lungs may cause very serious pneumonia. Ingestion may cause nausea, vomiting and diarrhea. Abdominal pain. |
| Chronic symptoms                                                           | : May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.                                                      |
| Other information                                                          | : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.    |

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

|                                                           |                                                    |
|-----------------------------------------------------------|----------------------------------------------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                   |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| <b>n-hexane (110-54-3)</b> |                                                 |
| LC50 - Fish [1]            | 2.5 mg/l (96 h, Pimephales promelas)            |
| <b>Toluene (108-88-3)</b>  |                                                 |
| LC50 - Fish [1]            | 6.86 – 9.83 mg/l (96 h, Oncorhynchus gorbuscha) |

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| Toluene (108-88-3)   |                                        |
|----------------------|----------------------------------------|
| EC50 - Crustacea [1] | 5.46 – 9.83 mg/l (48 h, Daphnia magna) |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |                                              |
|---------------------------------------------------------------------|----------------------------------------------|
| LC50 - Fish [1]                                                     | > 100 mg/l (96 h, Pimephales promelas)       |
| EC50 - Crustacea [1]                                                | > 10000 mg/l (48 h, Daphnia magna, OECD 202) |
| NOEC chronic crustacea                                              | > 10000 mg/l (48 h, Daphnia magna, OECD 202) |
| NOEC chronic algae                                                  | ≥ 100 mg/l (72 h)                            |

### 12.2. Persistence and degradability

| 40:1 Premix Small Engine Fuel                                       |                                               |
|---------------------------------------------------------------------|-----------------------------------------------|
| Persistence and degradability                                       | Biodegradability in water: no data available. |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |                                               |
| Persistence and degradability                                       | Not rapidly degradable                        |
| Biodegradation                                                      | 31 % (28 d, OECD 301F)                        |

### 12.3. Bioaccumulative potential

| 40:1 Premix Small Engine Fuel                   |                                               |
|-------------------------------------------------|-----------------------------------------------|
| Bioaccumulative potential                       | No data available concerning bioaccumulation. |
| n-hexane (110-54-3)                             |                                               |
| BCF - Fish [1]                                  | 501.187                                       |
| Partition coefficient n-octanol/water (Log Pow) | 4                                             |
| Toluene (108-88-3)                              |                                               |
| Partition coefficient n-octanol/water (Log Kow) | 2.73 (20 °C)                                  |

### 12.4. Mobility in soil

| 40:1 Premix Small Engine Fuel |                                      |
|-------------------------------|--------------------------------------|
| Ecology - soil                | No additional information available. |

### 12.5. Other adverse effects

|                              |                           |
|------------------------------|---------------------------|
| Ozone                        | : Not classified          |
| Other adverse effects        | : No other effects known. |
| Fluorinated greenhouse gases | : No                      |

## SECTION 13 Disposal considerations

|                                            |                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                           |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Empty containers retain product residue and can be hazardous. |
| Additional information                     | : Do not re-use empty containers. Flammable vapors may accumulate in the container. Do not puncture or incinerate, even when empty.     |
| Ecological waste information               | : Avoid release to the environment.                                                                                                     |

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### SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT                                                                               | TDG                                                                               | IMDG                                                                               | IATA                                                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 14.1. UN number                                                                   |                                                                                   |                                                                                    |                                                                                     |
| UN1203                                                                            | UN1203                                                                            | 1203                                                                               | 1203                                                                                |
| 14.2. Proper Shipping Name                                                        |                                                                                   |                                                                                    |                                                                                     |
| Gasoline                                                                          | GASOLINE                                                                          | GASOLINE                                                                           | Gasoline                                                                            |
| 14.3. Transport hazard class(es)                                                  |                                                                                   |                                                                                    |                                                                                     |
| 3                                                                                 | 3                                                                                 | 3                                                                                  | 3                                                                                   |
|  |  |  |  |
| 14.4. Packing group                                                               |                                                                                   |                                                                                    |                                                                                     |
| II                                                                                | II                                                                                | II                                                                                 | II                                                                                  |
| 14.5. Environmental hazards                                                       |                                                                                   |                                                                                    |                                                                                     |
| Dangerous for the environment: Yes                                                | Dangerous for the environment: Yes                                                | Dangerous for the environment: Yes<br>Marine pollutant: Yes                        | Dangerous for the environment: Yes                                                  |
| No supplementary information available                                            |                                                                                   |                                                                                    |                                                                                     |

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UN-No. (DOT)                            | : UN1203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DOT Special Provisions (49 CFR 172.102) | : 144 - If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter.<br>177 - Gasoline, or, ethanol and gasoline mixtures, for use in internal combustion engines (e.g. in automobiles, stationary engines and other engines) must be assigned to Packing Group II regardless of variations in volatility.<br>B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.<br>B33 - MC 300, MC 301, MC 302, MC 303, MC 305, MC 306, and DOT 406 cargo tanks equipped with a 1 psig normal vent used to transport gasoline must conform to Table I of this Special Provision. Based on the volatility class determined by using ASTM D 439 and the Reid vapor pressure (RVP) of the particular gasoline, the maximum lading pressure and maximum ambient temperature permitted during the loading of gasoline may not exceed that listed in Table I.<br>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) |

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|                                                                  |                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150                                                                                                                                                                                                                                                                                                                                                             |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 202                                                                                                                                                                                                                                                                                                                                                             |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 242                                                                                                                                                                                                                                                                                                                                                             |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L                                                                                                                                                                                                                                                                                                                                                             |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 60 L                                                                                                                                                                                                                                                                                                                                                            |
| DOT Vessel Stowage Location                                      | : E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded. |

### TDG

|                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN-No. (TDG)                                                                | : UN1203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| TDG Special Provisions                                                      | : 17 - These dangerous goods may be handled, offered for transport or transported under the UN number and shipping name UN1268, PETROLEUM DISTILLATES, N.O.S, PETROLEUM PRODUCTS N.O.S, DISTILLATS DE PÉTROLE, N.S.A. or PRODUITS PÉTROLIERS, N.S.A, 88 - Despite the quantity limits in column 9 of Schedule 1 for these dangerous goods, a road vehicle is not a passenger carrying road vehicle unless the passengers in it are transported for hire or reward, 98 - If these dangerous goods are composed of more than 10% ethanol, they must be transported under UN3475, ETHANOL AND GASOLINE MIXTURE, 150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan). |
| Explosive Limit and Limited Quantity Index                                  | : 30 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Excepted quantities (TDG)                                                   | : E2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Passenger Carrying Vessel Index                                             | : 100 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 5 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Emergency Response Guide (ERG) Number                                       | : 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### IMDG

|                                    |                                                                       |
|------------------------------------|-----------------------------------------------------------------------|
| Special provision (IMDG)           | : 243                                                                 |
| Limited quantities (IMDG)          | : 1 L                                                                 |
| Excepted quantities (IMDG)         | : E2                                                                  |
| Packing instructions (IMDG)        | : P001                                                                |
| IBC packing instructions (IMDG)    | : IBC02                                                               |
| Tank instructions (IMDG)           | : T4                                                                  |
| Tank special provisions (IMDG)     | : TP1                                                                 |
| EmS-No. (Fire)                     | : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS     |
| EmS-No. (Spillage)                 | : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER |
| Stowage category (IMDG)            | : E                                                                   |
| Properties and observations (IMDG) | : Immiscible with water.                                              |

### IATA

|                                              |        |
|----------------------------------------------|--------|
| Special provision (IATA)                     | : A100 |
| PCA Excepted quantities (IATA)               | : E2   |
| PCA Limited quantities (IATA)                | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L   |
| PCA packing instructions (IATA)              | : 353  |
| PCA max net quantity (IATA)                  | : 5L   |
| CAO packing instructions (IATA)              | : 364  |
| CAO max net quantity (IATA)                  | : 60L  |
| ERG code (IATA)                              | : 3H   |

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### SECTION 15 Regulatory information

#### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|          |                  |          |
|----------|------------------|----------|
| n-hexane | CAS-No. 110-54-3 | %        |
| Toluene  | CAS-No. 108-88-3 | 10 - 30% |

#### n-hexane (110-54-3)

Listed on EPA Hazardous Air Pollutant (HAPS)  
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

|           |         |
|-----------|---------|
| CERCLA RQ | 5000 lb |
|-----------|---------|

#### Toluene (108-88-3)

Listed on EPA Hazardous Air Pollutant (HAPS)  
Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens  
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

|           |         |
|-----------|---------|
| CERCLA RQ | 1000 lb |
|-----------|---------|

#### 15.2. International regulations

##### CANADA

#### n-hexane (110-54-3)

Listed on the Canadian DSL (Domestic Substances List)

#### Distillates (petroleum), hydrotreated middle (64742-46-7)

Listed on the Canadian DSL (Domestic Substances List)

#### Naphtha (petroleum), full-range alkylate, butane-contg.\* (68527-27-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

#### Isopentane (78-78-4)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

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### National regulations

#### n-hexane (110-54-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits

#### Distillates (petroleum), hydrotreated middle (64742-46-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Toluene (108-88-3)

Listed on EPA HAPs Chronic Dose Response Assessment List - Carcinogens  
Listed on EPA HAPs Acute Dose Response Assessment List – Exposure limits  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Isopentane (78-78-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. State regulations

 **WARNING:** This product can expose you to n-Hexane, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Issue date : 2/17/2026  
Data sources : Supplier's safety documents. ECHA (European Chemicals Agency).  
Training advice : Training staff on good practice.

#### Full text of hazard classes and H-statements

|      |                                                                   |
|------|-------------------------------------------------------------------|
| H224 | Extremely flammable liquid and vapor                              |
| H225 | Highly flammable liquid and vapor                                 |
| H304 | May be fatal if swallowed and enters airways                      |
| H315 | Causes skin irritation                                            |
| H319 | Causes serious eye irritation                                     |
| H335 | May cause respiratory irritation                                  |
| H336 | May cause drowsiness or dizziness                                 |
| H350 | May cause cancer.                                                 |
| H361 | Suspected of damaging fertility or the unborn child               |
| H371 | May cause damage to organs.                                       |
| H372 | Causes damage to organs through prolonged or repeated exposure    |
| H373 | May cause damage to organs through prolonged or repeated exposure |

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| Full text of hazard classes and H-statements |                                                   |
|----------------------------------------------|---------------------------------------------------|
| H411                                         | Toxic to aquatic life with long lasting effects   |
| H412                                         | Harmful to aquatic life with long lasting effects |

| Abbreviations and acronyms |                                                           |
|----------------------------|-----------------------------------------------------------|
| ACGIH                      | American Conference of Governmental Industrial Hygienists |
| AIHA                       | American International Health Alliance                    |
| ATE                        | Acute Toxicity Estimate                                   |
| BCF                        | Bioconcentration factor                                   |
| CAS-No.                    | Chemical Abstracts Service number                         |
| DOT                        | Department of Transport                                   |
| DSL                        | Canada DSL (Domestic Substances List)                     |
| EC50                       | Median effective concentration                            |
| EC-No.                     | European Community number                                 |
| IARC                       | International Agency for Research on Cancer               |
| IATA                       | International Air Transport Association                   |
| ICAO                       | International Civil Aviation Organization                 |
| IMDG                       | International Maritime Dangerous Goods                    |
| IMO                        | International Maritime Organization                       |
| LC50                       | Median lethal concentration                               |
| LD50                       | Median lethal dose                                        |
| LOAEL                      | Lowest Observed Adverse Effect Level                      |
| N.O.S.                     | Not Otherwise Specified                                   |
| NDSL                       | Canada NDSL (Non-Domestic Substances List)                |
| NIOSH                      | National Institute for Occupational Safety and Health     |
| NOAEC                      | No-Observed Adverse Effect Concentration                  |
| NOAEL                      | No-Observed Adverse Effect Level                          |
| NOEC                       | No-Observed Effect Concentration                          |
| OEL                        | Occupational Exposure Limit                               |
| OSHA                       | Occupational Safety Health Administration                 |
| PPE                        | Personal protection equipment                             |
| SDS                        | Safety Data Sheet                                         |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.