# Hobby Line

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)
Issue date: 9/16/2025 Revision date: 7/8/2026 Version: 2.0

## SECTION 1 Identification

### 1.1. Product identifier

Product form : Mixture
Trade name : Hobby Line

### 1.2. Other means of identification

Other means of identification : 30% RL
Golden Break-In 14% Oil
Master Basher 14% Oil
16R IFMAR On-Road Spec 8% Oil
20% Nitro Race Car 9% Oil
25% Nitro Race Car 9% Oil
25R IFMAR On-Road Spec 8% Oil
25% Road Race 11% Oil
30% Pro Car 9% Oil
30% TT
10% Air 18% Oil
15% Air 18% Oil
YS/Saito 20/20 20% Oil
GMA 10/22 22% Oil
10% Mean & Green 18% Oil
15% Heli 23% Low-Viscosity Oil
23.5% Heli 23% Low-Viscosity Oil
30% Heli 23% Low-Viscosity Oil

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

Use of the substance/mixture : Hobby fuel,Race 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. |
| Acute toxicity (oral), Category 3 | H301 | Toxic if swallowed. |
| Acute toxicity (dermal), Category 3 | H311 | Toxic in contact with skin. |
| Acute toxicity (inhalation:vapor), Category 3 | H331 | Toxic if inhaled. |

| | | |
|---|---|---|
| Serious eye damage/eye irritation, Category 2A | H319 | Causes serious eye irritation. |
| Carcinogenicity, Category 2 | H351 | Suspected of causing cancer. |
| Reproductive toxicity, Category 2 | H361 | Suspected of damaging fertility or the unborn child. |
| Specific target organ toxicity — Single exposure, Category 1 | H370 | Causes damage to organs. |
| Specific target organ toxicity — Repeated exposure, Category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| Hazardous to the aquatic environment — Acute Hazard, Category 3 | H402 | Harmful to aquatic life. |
| Hazardous to the aquatic environment — Chronic Hazard, Category 3 | H412 | Harmful 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

Hazard statements (GHS US) :
H225 - Highly flammable liquid and vapor
H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer.
H361 - Suspected of damaging fertility or the unborn child
H370 - Causes damage to organs.
H373 - May cause damage to organs through prolonged or repeated exposure
H402 - Harmful to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS US) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical, ventilating, lighting equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe vapors.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P310 - If swallowed: Immediately call a POISON CENTER, a doctor.
P302+P352 - If on skin: Wash with plenty of soap and water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311 - If exposed or concerned: Call a POISON CENTER, a doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use carbon dioxide (CO2), extinguishing powder, alcohol resistant foam to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

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

## 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) |
|---|---|---|---|
| Methanol | CAS-No.: 67-56-1 | 30 - 80 | Flam. Liq. 2, H225<br>Acute Tox. 3 (Inhalation), H331<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Oral), H301<br>STOT SE 1, H370 |
| Nitromethane | CAS-No.: 75-52-5 | 10 - 60 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Eye Irrit. 2A, H319<br>Carc. 2, H351<br>Repr. 2, H361<br>STOT SE 2, H371<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412 |

Comments : Contain Nitromethane equal or below 57% by volume and 43% by weight.
Full text of hazard classes and H-statements : see section 16

## 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 victim to fresh air and keep at rest in a position comfortable for breathing. Keep warm and in a quiet place. Immediately call a poison center or doctor/physician. 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. Immediately call a poison center or doctor/physician.

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 after inhalation : Toxic if inhaled. Danger of serious damage to health by prolonged exposure through inhalation. May cause shortness of breath, tightness of the chest, a sore throat and cough. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Loss of consciousness.

Symptoms/effects after skin contact : Toxic in contact with skin. Redness. Itching. Swelling. Dermal contact with material can lead to dryness and defatting of the skin. Cracking of the skin.

Symptoms/effects after eye contact : Causes serious eye irritation. Redness. Itching. Lacrimation. Blurred vision. Pain. Severe inflammation of conjunctiva and cornea. Direct contact may result in corneal injury.

Symptoms/effects after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard. Ingestion may cause nausea, vomiting and diarrhea. Abdominal pain.

Chronic symptoms : Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause 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 : Water spray. Alcohol-resistant foam. Carbon dioxide ($CO_2$). Dry chemical. 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. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Burning produces stinking and toxic fumes. In case of fire and/or explosion do not breathe fumes.

Explosion hazard : Vapors may form explosive mixture with air. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

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

Precautionary measures fire : Eliminate all ignition sources if safe to do so.

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.

## SECTION 6 Accidental release measures

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

General measures : Avoid contact with skin and eyes. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Remove ignition sources. Use special care to avoid static electric charges.

**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. No flames, no sparks. Eliminate all sources of ignition.

**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. 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. Use non-sparking tools. Never return unused material to original container.

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 good ventilation in process area to prevent formation of vapor. 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. Take precautionary measures against static discharge. Ground and bond container and receiving equipment. 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.

### 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 away from ignition sources. Do not store near heat sources or expose to high temperatures. Store in original container. 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. 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. |

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

| **Nitromethane (75-52-5)** | |
|---|---|
| **USA - ACGIH® - Threshold Limit Values** | |
| Local name | Nitromethane |
| ACGIH® TLV® TWA | 50 mg/m³ |
| | 20 ppm |
| Remark (ACGIH®) | TLV® Basis: Thyroid eff; URT irr; lung dam. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2026 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Nitromethane |
| OSHA PEL TWA | 250 mg/m³ |
| | 100 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| **USA - Cal/OSHA - Occupational Exposure Limits** | |
| Local name | Nitromethane |
| Cal/OSHA PEL (OEL TWA) | 5 mg/m³ |
| | 2 ppm |
| 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 | Nitromethane |
| NIOSH REL 10h TWA | 100 ppm (PELs proposed (Appendix D)) |
| Remark (NIOSH) | Appendix D - Substances with No Established RELs |
| Regulatory reference (US-NIOSH) | OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG)) |

| **Methanol (67-56-1)** | |
|---|---|
| **USA - ACGIH® - Threshold Limit Values** | |
| Local name | Methanol |
| ACGIH® TLV® TWA | 262 mg/m³ |

| Methanol (67-56-1) | |
|---|---|
| | 200 ppm |
| ACGIH® TLV® STEL | 328 mg/m³ |
| | 250 ppm |
| Remark (ACGIH®) | TLV® Basis: Headache; eye dam; dizziness; nausea. Notations: Skin; BEI |
| Regulatory reference | ACGIH 2026 |
| **USA - ACGIH® - Biological Exposure Indices** | |
| Local name | Methanol |
| BEI (BLV) | 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: End of shift - Notations: B, Ns |
| Regulatory reference | ACGIH 2026 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Methyl alcohol |
| OSHA PEL TWA | 260 mg/m³ |
| | 200 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| **USA - Cal/OSHA - Occupational Exposure Limits** | |
| Local name | Methyl alcohol; methanol |
| Cal/OSHA PEL (OEL TWA) | 260 mg/m³ |
| | 200 ppm |
| Cal/OSHA STEL | 325 mg/m³ |
| | 250 ppm |
| Cal/OSHA C | 1000 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 | Methyl alcohol |
| NIOSH REL 10h TWA | 200 ppm |
| NIOSH REL (STEL) | 250 ppm |
| Regulatory reference (US-NIOSH) | OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG)) |
| **Monitoring methods** | |
| Monitoring methods | Refer to all applicable national, international and local regulations or provisions. Workplace atmospheres. Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy. Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. |

### 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.

| **Hand protection:** |
|---|
| 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 |

| **Eye protection:** |
|---|
| Chemical goggles or safety glasses |

| **Skin and body protection:** |
|---|
| Wear suitable protective clothing. Skin protection appropriate to the conditions of use should be provided |

| **Respiratory protection:** |
|---|
| In case of insufficient ventilation, wear suitable respiratory equipment. Recommended: Combined filter ABEK or AXBEK. 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 | : | According to product specification |
| Odor | : | Characteristic alcohol odor |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | No data available |
| Boiling point | : | > 35 °C (95 °F) |
| Flash point | : | < 22.99 °C (73.38 °F) |
| Flammability (solid, gas) | : | No data available |
| Vapor pressure | : | No data available |
| Relative vapor density at 20°C | : | No data available |
| Relative density | : | No data available |
| 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 | : | No data available |
| 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.

### 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) : Toxic if swallowed.
Acute toxicity (dermal) : Toxic in contact with skin.
Acute toxicity (inhalation) : Inhalation:vapor: Toxic if inhaled.

| Hobby Line | |
|---|---|
| ATE US (oral) | 138.42 mg/kg body weight |
| ATE US (dermal) | 442.608 mg/kg body weight |
| ATE US (vapors) | 3.788 mg/l/4h |

| Nitromethane (75-52-5) | |
|---|---|
| LD50 oral rat | 940 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 Inhalation - Rat | 11.02 mg/l (1 h) |
| ATE US (oral) | 940 mg/kg body weight |
| ATE US (gases) | 4500 ppmV/4h |
| ATE US (vapors) | 11.02 mg/l/4h |
| ATE US (dust, mist) | 1.5 mg/l/4h |

| Methanol (67-56-1) | |
|---|---|
| LD50 oral | 1400 mg/kg |

| Methanol (67-56-1) | |
|---|---|
| LD50 dermal | 15800 mg/kg |
| ATE US (oral) | 100 mg/kg body weight |
| ATE US (dermal) | 300 mg/kg body weight |
| ATE US (gases) | 700 ppmV/4h |
| ATE US (vapors) | 3 mg/l/4h |
| ATE US (dust, mist) | 0.5 mg/l/4h |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

| Nitromethane (75-52-5) | |
|---|---|
| IARC group | 2B - Possibly carcinogenic to humans |
| National Toxicity Program (NTP) Status | Reasonably anticipated to be Human Carcinogen |

Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : Causes damage to organs.
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard : Not classified
Symptoms/effects after inhalation : Toxic if inhaled. Danger of serious damage to health by prolonged exposure through inhalation. May cause shortness of breath, tightness of the chest, a sore throat and cough. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Loss of consciousness.
Symptoms/effects after skin contact : Toxic in contact with skin. Redness. Itching. Swelling. Dermal contact with material can lead to dryness and defatting of the skin. Cracking of the skin.
Symptoms/effects after eye contact : Causes serious eye irritation. Redness. Itching. Lacrimation. Blurred vision. Pain. Severe inflammation of conjunctiva and cornea. Direct contact may result in corneal injury.
Symptoms/effects after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard. Ingestion may cause nausea, vomiting and diarrhea. Abdominal pain.
Chronic symptoms : Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause 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) : Harmful to aquatic life.
Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.

| Nitromethane (75-52-5) | |
|---|---|
| LC50 - Fish [1] | > 659.2 mg/l (96 h, Pimephales promelas) |
| EC50 - Crustacea [1] | > 103 mg/l (48 h, Daphnia magna) |
| EC50 72h - Algae [1] | > 102 mg/l (72 h, Pseudokirchneriella subcapitata) |
| NOEC chronic algae | 3010 mg/l |

| Methanol (67-56-1) | |
|---|---|
| LC50 - Fish [1] | 15400 mg/l |
| EC50 - Crustacea [1] | 1340 mg/l |

### 12.2. Persistence and degradability

| Hobby Line | |
|---|---|
| Persistence and degradability | Biodegradability in water: no data available. |

| Methanol (67-56-1) | |
|---|---|
| Persistence and degradability | Rapidly degradable |
| BOD (% of ThOD) | 80 % ThOD |
| Biodegradation | 99 % |

### 12.3. Bioaccumulative potential

| Hobby Line | |
|---|---|
| Bioaccumulative potential | No data available concerning bioaccumulation. |

| Nitromethane (75-52-5) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0.17 |

### 12.4. Mobility in soil

| Hobby Line | |
|---|---|
| Ecology - soil | Adsorbs into the soil. |

### 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.
Additional information : Flammable vapors may accumulate in the container. Do not puncture or incinerate, even when empty.
Ecological waste information : Avoid release to the environment.

## SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|---|---|---|
| **14.1. UN number** | | | |
| UN1230 | UN1230 | UN1230 | UN1230 |
| **14.2. Proper Shipping Name** | | | |
| Methanol | METHANOL | METHANOL | Methanol |

| DOT | TDG | IMDG | IATA |
|---|---|---|---|
| **14.3. Transport hazard class(es)** | | | |
| 3 | 3 (6.1) | 3 (6.1) | 3 (6.1) |
|   |   |   |   |
| **14.4. Packing group** | | | |
| II | II | II | II |
| **14.5. Environmental hazards** | | | |
| Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available | | | |

## 14.6. Transport in bulk

Not applicable

## 14.7. Special precautions for user

**DOT**

UN-No. (DOT) : UN1230

DOT Special Provisions (49 CFR 172.102) : 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.
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)
TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

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) : 1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : B - (i) 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; and (ii) ‘‘On deck only’’ on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

DOT Vessel Stowage Other : 40 - Stow ‘‘clear of living quarters’’

**TDG**

UN-No. (TDG) : UN1230

TDG Special Provisions : 43 - Despite section 2.1 of Part 2 (Classification), these dangerous goods are assigned to this classification based on human experience.

Explosive Limit and Limited Quantity Index : 1 L

Excepted quantities (TDG) : E2

| | | |
|---|---|---|
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : | 1 L |
| Emergency Response Guide (ERG) Number | : | 131 |

**IMDG**

| | | |
|---|---|---|
| Special provision (IMDG) | : | 279 |
| Limited quantities (IMDG) | : | 1 L |
| Excepted quantities (IMDG) | : | E2 |
| Packing instructions (IMDG) | : | P001 |
| IBC packing instructions (IMDG) | : | IBC02 |
| Tank instructions (IMDG) | : | T7 |
| Tank special provisions (IMDG) | : | TP2 |
| EmS-No. (Fire) | : | F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS |
| EmS-No. (Spillage) | : | S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS |
| Stowage category (IMDG) | : | B |
| Stowage and handling (IMDG) | : | SW2 |
| Flash point (IMDG) | : | 12°C c.c. |
| Properties and observations (IMDG) | : | Colorless, volatile liquid. Flashpoint: 12°C c.c. Explosive limits: 6% to 36.5%. Miscible with water. Toxic if swallowed; may cause blindness. Avoid skin contact. |

**IATA**

| | | |
|---|---|---|
| Special provision (IATA) | : | A113 |
| PCA Excepted quantities (IATA) | : | E2 |
| PCA Limited quantities (IATA) | : | Y341 |
| PCA limited quantity max net quantity (IATA) | : | 1L |
| PCA packing instructions (IATA) | : | 352 |
| PCA max net quantity (IATA) | : | 1L |
| CAO packing instructions (IATA) | : | 364 |
| CAO max net quantity (IATA) | : | 60L |
| ERG code (IATA) | : | 3L |

## 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.

| | | |
|---|---|---|
| Nitromethane | CAS-No. 75-52-5 | 10 - 60% |
| Methanol | CAS-No. 67-56-1 | 30 - 80% |

**Methanol (67-56-1)**

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 | 5000 lb |

### 15.2. International regulations

#### CANADA

**Nitromethane (75-52-5)**

Listed on the Canadian DSL (Domestic Substances List)

**Methanol (67-56-1)**

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

**Nitromethane (75-52-5)**

Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

**Methanol (67-56-1)**

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

### 15.3. State regulations

**WARNING:** This product can expose you to Nitromethane, which is known to the State of California to cause cancer, and Methanol, 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.

| Component | State or local regulations |
|---|---|
| Nitromethane(75-52-5) | U.S. - New Jersey - TCPA - Extraordinarily Hazardous Substances (EHS) |

## SECTION 16 Other information

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

Revision date : 7/8/2026
Issue date : 9/16/2025
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** | |
|---|---|
| H225 | Highly flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H311 | Toxic in contact with skin |

| Full text of hazard classes and H-statements | |
|---|---|
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H332 | Harmful if inhaled |
| H351 | Suspected of causing cancer. |
| H361 | Suspected of damaging fertility or the unborn child |
| H370 | Causes damage to organs. |
| H371 | May cause damage to organs. |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H402 | Harmful to aquatic life |
| 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 |

| Abbreviations and acronyms | |
|---|---|
| OSHA | Occupational Safety  Health Administration |
| PPE | Personal protection equipment |
| SDS | Safety Data Sheet |

| Indication of changes: |
|---|
| 1.1. Product identifier. 3.2. Mixtures. 8.1. Control parameters. 11. Toxicological information. 14.1. UN number. 14.2. UN proper shipping name. 14.3. Transport hazard class(es). 14.4. Packing group. 14.5. Environmental hazards. 14.6. Transport in bulk. 14.7. Special precautions for user. 15.1. Federal regulations. 15.2. International regulations. 15.3. State regulations. |

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.