



Diesel Cetane Booster Fuel Supplement - VP Cetanium®

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)
Issue date: 01-02-2025 Version: 1.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : Diesel Cetane Booster Fuel Supplement - VP Cetanium®

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Diesel fuel additive
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 : 1-800-424-9300 (24-7)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids, Category 3	H226	Flammable liquid and vapour
Acute toxicity (oral), Category 4	H302	Harmful if swallowed
Acute toxicity (inhalation:vapour), Category 4	H332	Harmful if inhaled
Skin corrosion/irritation, Category 2	H315	Causes skin irritation
Carcinogenicity, Category 2	H351	Suspected of causing cancer.
Specific target organ toxicity, Repeated exposure, Category 2	H373	May cause 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, Acute Hazard, Category 3	H402	Harmful to aquatic life
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. GHS label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Danger

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Hazard statements (GHS CA)	: H226 - Flammable liquid and vapour H302+H332 - Harmful if swallowed or if inhaled H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H351 - Suspected of causing cancer. H373 - May cause damage to organs through prolonged or repeated exposure. H402 - Harmful to aquatic life H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (GHS CA)	: 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 and 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 vapours. 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. 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 or shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 - IF exposed or concerned: Get medical advice or attention. P312 - Call a POISON CENTER, a doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P330 - Rinse mouth. P331 - Do NOT induce vomiting. P332+P313 - If skin irritation occurs: Get medical advice or attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use carbon dioxide (CO ₂), extinguishing powder, alcohol resistant foam to extinguish. P391 - Collect spillage. 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. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Fuels, diesel, No 2	-	CAS-No.: 68476-34-6	30 - 60	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2-ethylhexyl nitrate	-	CAS-No.: 27247-96-7	30 - 60	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411
Solvent naphtha (petroleum), heavy arom.	Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 oC to 290 oC (330 oF to 554 oF).]	CAS-No.: 64742-94-5	5 - 10	Flam. Liq. 4, H227 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Naphthalene	naphthalene	CAS-No.: 91-20-3	0.1 - 1	Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

Comments : The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of December 2022

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SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician 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. When in doubt or if symptoms are observed, get medical advice.
First-aid measures after ingestion	: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
First-aid measures general	: If medical advice is needed, have product container or label at hand.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Harmful if inhaled. May cause shortness of breath, tightness of the chest, a sore throat and cough. In high concentrations vapors cause anesthetic and narcotic effect.
Symptoms/effects after skin contact	: Causes skin irritation. Redness. Itching. Swelling. Repeated dermal contact with material can lead to defatting of the skin. drying.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely slightly irritating. Redness. Itching. Lacrimation. Blurred vision.
Symptoms/effects after ingestion	: Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard. Ingestion may cause nausea, vomiting and diarrhea. Abdominal pain. Aspiration of the product into the lungs may cause very serious pneumonia.
Chronic symptoms	: Suspected of causing cancer. 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.
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SECTION 5 Fire-fighting measures

5.1. Suitable 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	: 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 actions 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.
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- 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.
- Precautionary measures fire : Eliminate all ignition sources if safe to do so.

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.
- 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. 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 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 any 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.

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Storage conditions	: 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.
Incompatible products	: Strong oxidizing agents.
Incompatible materials	: Direct sunlight. Heat sources. Ignition sources.
Storage area	: Store in dry, cool, well-ventilated area.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Fuels, diesel, No 2 (68476-34-6)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Diesel fuel, as total hydrocarbons
OEL TWA	100 mg/m ³
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Diesel (fuel), (as total hydrocarbons)
VEMP (OEL TWAEV)	100 mg/m ³ IFV
Notations and remarks	C3, Pc
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Diesel fuel, as total hydrocarbons
OEL TWA	100 mg/m ³ Inhalable. (V) - vapour and inhalable aerosol
Notations and remarks	Skin (the substance that contribute significantly to the overall exposure by the skin route); Diesel fuel, marine, is an IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Diesel No. 2, as total hydrocarbons
OEL TWA	100 mg/m ³ (IFV - Inhalable fraction and vapor)
Notations and remarks	TLV® Basis: Dermatitis. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Diesel fuel as total
OEL TWA	100 mg/m ³
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Diesel No. 2, as total hydrocarbons
OEL TWA	100 mg/m ³ (IFV - Inhalable fraction and vapor)
Notations and remarks	TLV® Basis: Dermatitis. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024

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Fuels, diesel, No 2 (68476-34-6)	
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Diesel No. 2, as total hydrocarbons
OEL TWA	100 mg/m ³ (IFV - Inhalable fraction and vapor)
Notations and remarks	TLV® Basis: Dermatitis. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Diesel fuel as total hydrocarbons
OEL TWA	100 mg/m ³ (vapour)
OEL STEL	150 mg/m ³ (vapour)
Notations and remarks	Skin
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Diesel fuel as total hydrocarbons
OEL TWA	100 mg/m ³ (vapour)
OEL STEL	150 mg/m ³ (vapour)
Notations and remarks	Skin
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Diesel fuel, as total hydrocarbons
OEL TWAEV	100 mg/m ³ (IFV - Inhalable fraction and vapour)
Notations and remarks	Skin
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Diesel No. 2, as total hydrocarbons
OEL TWA	100 mg/m ³ (IFV - Inhalable fraction and vapor)
Notations and remarks	TLV® Basis: Dermatitis. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Diesel fuel as total hydrocarbons, (vapour)
OEL TWA	100 mg/m ³
OEL STEL	150 mg/m ³
Notations and remarks	Skin
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

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Naphthalene (91-20-3)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	52 mg/m ³ 10 ppm
OEL STEL	79 mg/m ³ 15 ppm
Notations and remarks	Substance may be readily absorbed through intact skin.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Naphthalene
VEMP (OEL TWAEV)	10 ppm
Notations and remarks	C3, Pc
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm
Notations and remarks	Skin (the substance that contribute significantly to the overall exposure by the skin route); IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm
Notations and remarks	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm
Notations and remarks	Hematologic eff; URT & eye irr; Skin; A3
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm
Notations and remarks	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm

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Naphthalene (91-20-3)	
Notations and remarks	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm
OEL STEL	15 ppm
Notations and remarks	Skin
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm
OEL STEL	15 ppm
Notations and remarks	Skin
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWAEV	10 ppm
Notations and remarks	Skin
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm
Notations and remarks	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Naphthalene
OEL TWA	10 ppm
OEL STEL	15 ppm
Notations and remarks	Skin
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

8.2. Appropriate engineering controls

- Appropriate engineering controls : Avoid all unnecessary exposure. Handle in accordance with good industrial hygiene and safety procedures. Provide local exhaust or general room ventilation. 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.

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8.3. Individual protection measures, such as personal protective equipment (PPE)

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:

Wear suitable gloves resistant to chemical penetration. Recommended materials: Viton. 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:

Even though no specific eye irritation data are available, wear eye protection appropriate to conditions of use when handling this material. Chemical goggles or safety glasses

Skin and body protection:

Skin protection appropriate to the conditions of use should be provided

Respiratory protection:

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. Recommended: Combined filter ABEK or AXBEK

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: According to product specification
Odor	: Aromatic Hydrocarbon-like
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 160 °C (320 °F)
Flash point	: 52 °C (126 °F, closed cup)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: > 1 (air=1)
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
Viscosity, kinematic	: < 20.5 mm ² /s (40 °C, 104 °F)
Explosion limits	: Lower explosion limit: 4 vol % Upper explosion limit: 8 vol %
Particle characteristics	: No data available

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

No additional information available

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SECTION 10 Stability and reactivity

Reactivity	: Flammable liquid and vapor. vapors may form flammable mixture with air. Heating may cause a fire or explosion.
Chemical stability	: Stable under normal conditions of use.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use. Hazardous polymerization: Will not occur.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7). Protect from sunlight. Overheating. Heat and ignition sources.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Inhalation:vapor: Harmful if inhaled.

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ATE CA (oral)	1149.425 mg/kg body weight
ATE CA (vapors)	11.74 mg/l/4h
Fuels, diesel, No 2 (68476-34-6)	
ATE CA (Gases)	4500 ppmV/4h
ATE CA (vapors)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
2-ethylhexyl nitrate (27247-96-7)	
ATE CA (oral)	500 mg/kg body weight
ATE CA (Dermal)	1100 mg/kg body weight
ATE CA (Gases)	4500 ppmV/4h
ATE CA (vapors)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
Solvent naphtha (petroleum), heavy arom. (64742-94-5)	
LD50 oral rat	> 5000 mg/kg (OECD 401)
LC50 Inhalation - Rat	4778 mg/l/4h (OECD 403)
Naphthalene (91-20-3)	
LD50 oral rat	490 mg/kg
LD50 dermal rat	5000 mg/kg
LC50 Inhalation - Rat	> 340 mg/m ³ (1 h)
ATE CA (oral)	500 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified

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Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

Naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Viscosity, kinematic	< 20.5 mm ² /s (40 °C, 104 °F)
Symptoms/effects after inhalation	: Harmful if inhaled. May cause shortness of breath, tightness of the chest, a sore throat and cough. In high concentrations vapors cause anesthetic and narcotic effect.
Symptoms/effects after skin contact	: Causes skin irritation. Redness. Itching. Swelling. Repeated dermal contact with material can lead to defatting of the skin. drying.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely slightly irritating. Redness. Itching. Lacrimation. Blurred vision.
Symptoms/effects after ingestion	: Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard. Ingestion may cause nausea, vomiting and diarrhea. Abdominal pain. Aspiration of the product into the lungs may cause very serious pneumonia.
Chronic symptoms	: Suspected of causing cancer. 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. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Fuels, diesel, No 2 (68476-34-6)	
LC50 - Fish [1]	65 mg/l (96 h)
EC50 - Crustacea [1]	68 mg/l (48 h)
2-ethylhexyl nitrate (27247-96-7)	
LC50 - Fish [1]	2 mg/l (96 h)
EC50 - Crustacea [1]	12.6 mg/l (48 h)
EC50 - Other aquatic organisms [1]	1000 mg/l (3 h)
EC50 72h - Algae [1]	2.33 mg/l (72 h)
Solvent naphtha (petroleum), heavy arom. (64742-94-5)	
LC50 - Fish [1]	3.6 mg/l (96 h, Oncorhynchus mykiss)
EC50 - Crustacea [1]	3 – 10 mg/l (48 h)
EC50 72h - Algae [1]	1 – 3 mg/l (72 h)

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Naphthalene (91-20-3)	
LC50 - Fish [1]	1.6 mg/l (96 h)
EC50 - Crustacea [1]	1.96 mg/l (48 h, Daphnia magna)
EC50 - Crustacea [2]	2.35 mg/l (48 h, Palaemonetes pugio)

12.2. Persistence and degradability

Diesel Cetane Booster Fuel Supplement - VP Cetanium®	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

Diesel Cetane Booster Fuel Supplement - VP Cetanium®	
Bioaccumulative potential	No data available concerning bioaccumulation.

Solvent naphtha (petroleum), heavy arom. (64742-94-5)	
BCF - Fish [1]	< 100

Naphthalene (91-20-3)	
BCF - Fish [1]	> 100
Partition coefficient n-octanol/water (Log Pow)	3.3

12.4. Mobility in soil

Diesel Cetane Booster Fuel Supplement - VP Cetanium®	
Ecology - soil	Floats on water. 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.
Ecological waste information	: Avoid release to the environment.

SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

14.1. UN Number	
UN-No. (TDG)	: UN3295
UN-No.(DOT)	: UN3295
UN-No. (IMDG)	: 3295
UN-No. (IATA)	: 3295

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14.2. UN Proper Shipping Name

Proper Shipping Name (TDG)	: HYDROCARBONS, LIQUID, N.O.S. (Fuels, diesel, No 2)
Proper Shipping Name (DOT)	: Hydrocarbons, liquid, n.o.s. (Fuels, diesel, No 2)
Proper Shipping Name (IMDG)	: HYDROCARBONS, LIQUID, N.O.S. (Fuels, diesel, No2)
Proper Shipping Name (IATA)	: Hydrocarbons, liquid, n.o.s. (Fuels, diesel, No2)

14.3. Transport hazard class(es)

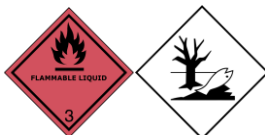
TDG

Transport hazard class(es) (TDG)	: 3
Hazard labels (TDG)	: 3



DOT

Transport hazard class(es) (DOT)	: 3
Hazard labels (DOT)	: 3



IMDG

Transport hazard class(es) (IMDG)	: 3
Hazard labels (IMDG)	: 3



IATA

Transport hazard class(es) (IATA)	: 3
Hazard labels (IATA)	: 3



14.4. Packing group, if applicable

Packing group (TDG)	: III
Packing group (DOT)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III

14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes



Other information	: No supplementary information available.
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14.6. Special precautions for user

TDG

UN-No. (TDG)	: UN3295
TDG Special Provisions	: 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	: 5 L
Excepted quantities (TDG)	: E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Emergency Response Guide (ERG) Number	: 128

DOT

UN-No.(DOT)	: UN3295
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. 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. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). 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, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

IMDG

Special provision (IMDG)	: 223
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
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)	: A
Properties and observations (IMDG)	: Immiscible with water.

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IATA

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provision (IATA)	: A3, A324
ERG code (IATA)	: 3L

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

Fuels, diesel, No 2 (68476-34-6)

Listed on the Canadian DSL (Domestic Substances List)

2-ethylhexyl nitrate (27247-96-7)

Listed on the Canadian DSL (Domestic Substances List)

Solvent naphtha (petroleum), heavy arom. (64742-94-5)

Listed on the Canadian DSL (Domestic Substances List)

Naphthalene (91-20-3)

Listed on the Canadian DSL (Domestic Substances List)

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Fuels, diesel, No 2 (68476-34-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

2-ethylhexyl nitrate (27247-96-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Solvent naphtha (petroleum), heavy arom. (64742-94-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Naphthalene (91-20-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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SECTION 16 Other Information

Issue date : 01-02-2025

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:

H226	Flammable liquid and vapour
H227	Combustible liquid
H228	Flammable solid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

Abbreviations and acronyms:

ACGIH	American Conference of Government Industrial Hygienists
AIHA	American International Health Alliance
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CAS-No.	Chemical Abstract Service number
DOT	Department of Transport
DSL	Canada DSL
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

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Abbreviations and acronyms:	
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
N.O.S.	Not Otherwise Specified
NDSL	Canada NDSL
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), Canada

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.