



Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System
Conforms to The United Nations Regulation Globally Harmonized System
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – Europe
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Conforms to the Australian Preparation of Safety Data Sheets for Hazardous Chemicals under section 274 of the Work Health and Safety Act

Section 1 - Chemical Product and Company Identification

1.1 Product Name: **Cetanium**

1.2 VP Racing Fuels, Inc., 7124 Richter Road, Elmhendorf, TX 78112, 210.635.7744

1.3 Recommended Use: Diesel Fuel Additive

1.4 **RESTRICTIONS on USE** THIS ADDITIVE IS FOR DIESEL FUEL USE ONLY!

1.5 Emergency Response Number: CHEMTREC 800-424-9300

International Emergency Telephone Number: +1-703-527-3887

Section 2 - Hazards Identification

GHS HAZARD

2.1 Hazard Classes

Flammable liquid/vapor

Specific Target Organs toxicity single exposure

Specific Target Organs repeated exposure

Eye Irritation

Skin Irritation

Acute Toxicity (Oral)

Acute Toxicity (Inhalation)

Acute Toxicity (Dermal)

Aspiration Hazard

Carcinogenicity

Toxic to Aquatic Life Long lasting effects

Hazard Categories

Category 4

Category 2

Category 2

Category 2B

Category 2

Category 4

Category 4

Category 3

Category 1

Category 2

Category 2

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2.2 Signal Word: **Danger**



2.3 Pictograms:

Health hazard Irritant Toxic to aquatic life

2.4 Hazard Statements

PHYSICAL HAZARDS:

H227: Combustible liquid

HEALTH HAZARDS:

H304: May be fatal if swallowed and enter the airway
H315: Causes skin irritation
H319: Causes serious eye irritation
H332: Harmful if inhaled
H336: May cause drowsiness or dizziness
H351 Suspected of causing cancer
H370: Causes damage to organs

ENVIRONMENTAL HAZARDS:

H411: Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:

P102: Keep out of reach of children
P202: Do not handle until all safety precautions have been read and understood
P210: Keep away from sparks and open flames- No smoking
P260: Do not breathe vapors
P280: Wear protective gloves, clothing and eye protection

RESPONSE STATEMENTS:

P301 +310+ P331: IF SWALLOWED: USA Immediately call the National POISON CENTER at **800-222-1222**. OUTSIDE USA Immediately call poison center or doctor. DO NOT induce vomiting
P303+P361+353: IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water
P304+340: IF INHALED, Remove to fresh air and keep comfortable for breathing
P305+P351: IF IN EYES rinse cautiously with water for at least 15 minutes
P306+P361: IF ON CLOTHING, Take off contaminated clothing
P370: In case of fire use foam, carbon dioxide, dry chemical to extinguish fire
P376: Stop leaks if safe to do so. See section 6 for proper clean up

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STORAGE STATEMENTS: P403: Keep Cool Store in a well-ventilated place

DISPOSAL STATEMENTS: P501: Dispose of content and/or container in accordance with local, regional, national or international regulations

Section 3 - Composition / Information on Ingredients

3.1

CAS#	EC#	Chemical Names	Percent	Other Identifiers
N/A	N/A	Blend of Hydrocarbon and normally organic compounds	100%	N/A

3.2 Blend Contains

Chemical Names	CAS#	EC#
Diesel Fuel	68476-34-6	270-676-1
Nitronal	27247-96-7	248-363-6
TOU	4431-83-8	224-631-8

3.3 Trade Secret Provision and Chemical Concentration Disclosure: In accordance with OSHA and GHS Regulations we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a range and are applicable to the hazards as identified in this Safety Data Sheet

Section 4 - First Aid Measures

4.1 Eye: Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

4.2 Skin: Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and/or dermatitis.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

4.3 Ingestion: Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonia, pulmonary edema and even death.

Ingestion: Do NOT induce vomiting. Get medical aid immediately.

4.4 Inhalation: Prolonged breathing of high vapor concentrations can produce headache, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage and death resulting from respiratory failure.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

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4.5 Note to Physicians: *After first aid, get appropriate paramedic, or community medical support.*

The severity of outcome following ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion exposure.

4.6 If you determine that a medical emergency exists and the specific chemical percentages are necessary for emergency or first-aid treatment we will immediately disclose the specific chemical percentages. Call CHEMTREC 800-424-9300 or +1-703-527-3887. We will require a written statement of need and confidentiality agreement, in accordance with OSHA's Trade Secret Regulations as soon as circumstances permit. In non-emergency situations, we will upon written request disclose a specific chemical identity

Section 5 - Fire-Fighting Measures

5.1 General Fire Hazards: Use water to cool containers exposed to fire

5.2 Hazardous Combustion Products: Avoid fumes of burning product.

5.3 Extinguishing Media: Carbon dioxide, dry chemical, foam

5.4 Fire Fighting Equipment/Instructions Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products

Section 6 - Accidental Release Measures

6.1 Spill /Leak Procedures: Ventilate area highly flammable. Spillages of liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition away from the spill.

6.2 Spills: Avoid direct contact with material. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers or waterways. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a container for disposal.

Section 7 - Handling and Storage

7.1 Handling Precautions: Keep away from ignition sources such as heat, sparks and open flames NO SMOKING Take precautionary measures against static discharge. Non sparking tools should be used. Wear protective gloves, clothing and eye protection. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment. Empty containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death.

7.2 Storage Requirements: Store in original manufacture container tightly closed container in a cool, dry and well-ventilated area.

7.3 Chemical Incompatibilities: Strong oxidizing agents and strong reducing agents.

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Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA- PEL
Blend of Hydrocarbon and normally organic compounds	100 mg/m ³ TWA (Inhalable fraction and vapor.)	100 mg/m ³ TWA (Inhalable fraction and vapor.)

8.2 STEL = Short-term Exposure Limit.

8.3 ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.

8.4 OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

8.5 TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded."

8.6 *Listed on the OSHA Z1 Table

8.7 Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs Local exhaust ventilation are preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.8 Contaminated Equipment: Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

8.9 Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the ANSI/ISEA 105-2011 or European EN374 Standard.

Full contact: Nitrile rubber

Splash contact: Nitrile rubber

This recommendation is advisory only and must be evaluated by an industrial hygienist or safety officer familiar with the specific situation of anticipated use. It should not be construed as offering an approval for any specific use scenario.

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Impervious clothing, Flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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8.10 Protective Clothing Pictograms



Splash Goggles



Gloves



Protective Apron



Vapor Respirator

A respirator is not needed under normal conditions of product use

Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid

Appearance: Various

Odor: Aromatic Hydrocarbon Odor

Vapor Pressure: 141mmHg@21°C

Vapor Density (Air=1): 3.9

Specific Gravity (H₂O=1,): 0.9 @ 68°F / 20°C

pH: None

Water Solubility: Not Data Available

Flash Point: 138°F (59°C) closed cup

Boiling Point: Not Data Available

Lower Explosive Limits (vol % in air): .6%

Upper Explosive Limits (vol % in air): 7.5%

Melting Point: Not Data Available

Viscosity: Not Data Available

Auto ignition Temperature: Not Data Available

Section 10 - Stability and Reactivity

10.1 Stability: Stable under ordinary conditions of use and storage.

10.2 Polymerization: Hazardous polymerization has not been reported.

10.3 Chemical Incompatibilities: Strong oxidizing agents

10.4 Hazardous Decomposition Products: Combustion produces carbon monoxide and carbon dioxide

10.5 Conditions to Avoid: Avoid heat, sparks open flames and other ignition sources

Section 11- Toxicological Information

11.1

Product Name	Results	Species	Dose	Exposure
Blend of Hydrocarbon and normally organic compounds	Oral LD50	Rat	1099 mg/kg	None Listed

11.2 Route of Entry: Inhalation, Ingestion, Absorption, Skin and/or Eye Contact

11.3 Aspiration Hazard: May be fatal if swallowed and enters airways

11.4 Skin Corrosion/Irritation: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

11.5 Serious Eye Damage/Irritation: Causes eye irritation.

11.6 Specific Target Organ Toxicity (Single Exposure): May cause drowsiness and dizziness.

11.7 Specific Target Organ Toxicity (Repeated Exposure): Contains material which may cause damage to the following organs: Eyes, Kidney, Liver, Heart, Central nervous system.

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11.8 Signs and Symptoms: Effects of overexposure can include irritation of the respiratory tract, nausea, vomiting, and signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue). Continued exposure to high concentrations can result in vomiting, cardiac irregularities and sudden loss of consciousness.

11.9 Carcinogenicity:

Chemical Name	IARC	ACGIH	NTP	OSHA
Blend of Hydrocarbon and normally organic compounds	Not listed	Confirmed animal with unknown relevance to humans	Not listed	Not listed

Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Blend of Hydrocarbon and normally organic compounds	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment		

12.2 Toxicity: These substances should be regarded as toxic to aquatic organisms, with the potential to cause long term adverse effects in the aquatic environment.

12.3 Mobility: Floats on water, absorbs into soil and has low mobility.

12.4 Persistence/degradability: Major constituents are expected to be readily biodegradable, but the product contains components that may persist in the environment.

12.5 Bioaccumulation: Has the potential to bioaccumulate.

12.6 Other Adverse Effects: Films formed on water may affect oxygen transfer and damage organisms.

Section 13 - Disposal Considerations

13.1 Disposal: DO NOT REUSE EMPTY CONTAINER! Container should be completely emptied prior to discard. Container with residues should be considered to be hazardous wastes. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

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Section 14 - Transport Information

14.1

DOT Transport Information



ID No.: UN 3295

Shipping Name: Hydrocarbons, liquid, n.o.s.

Hazard Class: 3

Packing Group: III

Label: Flammable

Marking: Marine Pollutant Diesel Fuel when shipping ground greater than 119 gallons single container or any quantity by water

Placard: Flammable

Limited quantity Inner packaging not over 1.0L (0.3 gallons) net capacity each.

Packaging instruction

Passenger aircraft Quantity limitation: 5 L

Cargo aircraft Quantity limitation: 60 L

Special provisions 144, IB2, T7, TP1, TP8, TP28

14.2 TDG Canada Transport Information



ID No.: UN 3295

Shipping Name: Hydrocarbons, liquid, n.o.s.

Hazard Class: 3

Packing Group: III

Label: Flammable

Marking: MARINE POLLUTANT Diesel Fuel Not regulated if shipped by road or rail

Placard: Flammable

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14.3 ADR/RID Transport Information



ID No.: UN 3295

Shipping Name: Hydrocarbons, liquid, n.o.s.

Hazard Class: 3

Packing Group: III

Flash Point: 59 °C - closed cup

Marking: Marine Pollutant Diesel Fuel

Label: Flammable

Placard: Flammable

Classification Code: F1

14.5 IMDG Transport Information



ID No.: UN 3295

Shipping Name: HYDROCARBONS, LIQUID, N.O.S.

Hazard Class: 3

Packing Group: III

Flash Point: 59 °C - closed cup

EmS Number: F-E, S-D

Marking: Marine Pollutant Diesel Fuel

Label: Flammable

Placard: Flammable



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14.6 Australian Dangerous Goods Transport Information



ID No.: UN 3295

Shipping Name: Hydrocarbons, liquid, n.o.s.

Hazard Class: 3

Packing Group: III

Flash Point: 59 °C - closed cup

Marking: Marine Pollutant Diesel Fuel

Label: Flammable

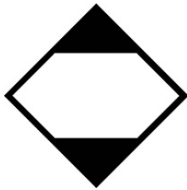
Placard: Flammable

14.7 DOT Transport Limited Quantity/Consumer Commodity

Inner packaging not over

1.0L (0.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each



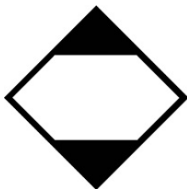
Use marking when shipping as a limited quantity ground in the Canada

14.8 TDG Canada Transport Limited Quantity

Inner packaging not over

1.0L (0.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each



Use marking when shipping as a limited quantity by vessel.

14.9 IMDG Transport Limited Quantity

Inner packaging not over

1.0L (0.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each

ID No.: UN 3295

Shipping Name: HYDROCARBONS, LIQUID, N.O.S.

Hazard Class: 3

Packing Group: III

Flash Point: 59° C c.c.)

EmS Number: F-E, S-D

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Section 15 - Regulatory Information

15.1 US Regulations:

TSCA: All of the blend of Hydrocarbon and normally organic compounds

CERCLA Hazardous Substances and corresponding RQs: None

SARA Community Right-to-Know Program: None

Clean Water Act: One component of Blend of Hydrocarbon and normally organic compounds

Clean Air Act: Diesel Fuel

OSHA: All ingredients are listed in 1910.1200

State Regulations

California prop. 65: None

Chemicals on the following State Right to Know Lists:

Massachusetts: All of the blend of Hydrocarbon and normally organic compounds

New Jersey: All of the blend of Hydrocarbon and normally organic compounds

Pennsylvania: All of the blend of Hydrocarbon and normally organic compounds

15.2 Canadian Regulations:

WHMIS Classification: None

The following substances are specified on the public Portion of the Domestic Substances List (DSL): Two components of the blend of Hydrocarbon and normally organic compounds

15.3 Europe Regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Europe inventory: Hydrocarbon and normally organic compounds



EC Symbols

EC Classification: Danger

EC Risk Phrases:

R40 : Limited evidence of a carcinogenic effect.

EC Safety Phrases:

S2: Keep out of the reach of children.

S36/37 : Wear suitable protective clothing and gloves.

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15.4 International Regulations

Australian Inventory of Chemical Substance: All of the blend of Hydrocarbon and normally organic compounds

National Existing Chemical Inventory in Taiwan: All of the blend of Hydrocarbon and normally organic compounds

Philippine Inventory of Chemicals and Chemical Substances: All of the blend of Hydrocarbon and normally organic compounds

China Existing Chemical Inventory: All of the blend of Hydrocarbon and normally organic compounds

Section 16 - Other Information

16.1 Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

16.2 References: CHEMINFO data base of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller on Line and MSDS ON LINE.

16.3 SDS Preparation Date 04/27/2015

SDS Previous issue Date: None

Prepared by SJC Compliance Education, Inc.

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