



## Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System  
Date of Revision: 12/04/2020 Revision: 06

### Section 1 - Chemical Product and Company Identification

- 1.1 **Product Name:** Cetanium  
1.2 **Synonym:** Blend  
1.3 **VP Racing Fuels, Inc.**  
1.4 **Recommended Use:** Diesel Fuel Additive  
1.5 **RESTRICTIONS on USE** THIS ADDITIVE IS FOR DIESEL FUEL USE ONLY!

### Section 2 - Hazards Identification

## GHS HAZARD

#### 2.1 Hazard Classes

#### Hazard Categories

|   |            |
|---|------------|
| Flammable liquid/vapor                          | Category 3 |
| Specific Target Organs toxicity single exposure | Category 3 |
| Specific Target Organs repeated exposure        | Category 2 |
| Skin Irritation                                 | Category 2 |
| Acute Toxicity (Oral)                           | Category 4 |
| Acute Toxicity (Inhalation)                     | Category 4 |
| Acute Toxicity (Dermal)                         | Category 4 |
| Aspiration Hazard                               | Category 1 |
| Carcinogenicity                                 | Category 2 |
| Toxic to Aquatic Life Long-lasting effects      | Category 2 |

2.2 Signal Word: **Danger**

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## 2.3 Pictograms:

Flame

Health hazard

Irritant

Toxic to aquatic life

## 2.4 Hazard Statements

### PHYSICAL HAZARDS:

H226: Flammable liquid and vapor.

### HEALTH HAZARDS:

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enter the airway.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H332: Harmful if inhaled.

H351: Suspected of causing cancer.

H373: May causes damage to organs through prolonged or repeated exposure.

### ENVIRONMENTAL HAZARDS:

H411: Toxic to aquatic life with long-lasting effects.

### PRECAUTIONARY STATEMENTS:

P102: Keep out of reach of children.

P201: Obtain special instructions before use.

**READ SDS BEFORE USE.**

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from sparks and open flames-  
No smoking.

H223: Keep the container tightly closed.

P240: Ground or bond container and receiving equipment.

P241: Use explosion-proof equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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, clothing, and eye protection.

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## RESPONSE STATEMENTS:

**P301 +P310+ P331: IF SWALLOWED: USA**  
Immediately call the National POISON CENTER. **OUTSIDE USA** Immediately call a poison center or doctor. **DO NOT** induce vomiting.  
**P303+P361+P353: IF ON SKIN:** Take off immediately all contaminated clothing. Rinse skin with water.  
**P304+P340: IF INHALED:** Remove to fresh air and keep comfortable for breathing  
**P308+P313:** If exposed or concerned, get medical attention.  
**P362+P364: IF ON CLOTHING,** take off contaminated clothing and wash it before reuse.  
**P313+P332:** If skin irritation persists, get medical attention.  
**H314:** Get medical attention if you feel unwell.  
**P330:** Rinse mouth.  
**P370+P378:** In case of fire, use foam, carbon dioxide, dry chemical to extinguish a fire.  
**P391:** Collect spillage

## STORAGE STATEMENTS:

**P403+P235:** Store in a well-ventilated place. Keep cool.  
**P405:** Store locked up.

## DISPOSAL STATEMENTS:

**P501:** Dispose of content and container following local, regional, national or international regulations

**2.5 Hazards not otherwise classified (HNOC) or not covered by GHS:** Repeated exposure may cause skin dryness or cracking.

## Section 3 - Composition / Information on Ingredients

### 3.1

| CAS# | EC# | Chemical Names                                      | Percent | Classification |
|------|-----|---|---------|----------------|
| N/A  | N/A | Blend of Hydrocarbon and normally organic compounds | 100%    | None           |

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## 3.2 Blend Contains

| Chemical Names | CAS#       | EC#       | Classification  |
|----------------|------------|-----------|---|
| Diesel Fuel    | 68476-34-6 | 270-676-1 | Flam. Liq. 3 H226, Asp. Tox. 1 H304<br>Skin Irrit. 2 H315, Acute Tox. 4 H332,<br>STOT RE 2 H373, Carc.2 H351, Aquatic<br>Chronic 2 H411 |
| Nitronal       | 27247-96-7 | 248-363-6 | Acute Tox. 4 H302, Acute Tox. 4<br>H312, Acute Tox. 4 H332, Aquatic<br>Chronic 2 H411   |
| TOU            | 4431-83-8  | 224-631-8 | Not Classified  |

**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 blend and apply to the hazards identified in this Safety Data Sheet.

## Section 4 - First Aid Measures

**4.1 Eye:** Contact with the eyes can irritate. 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:** Harmful in contact with skin. Prolonged and repeated liquid contact can cause defatting and drying of the skin and lead to irritation and 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.

**4.5 After first aid, get appropriate paramedic or community medical support.** The severity of the outcome following exposure may be related to the time between the exposure and treatment, rather than the amount of the exposure. Therefore, there is a need for rapid treatment of any exposure.

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**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. 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 products.

**5.3 Extinguishing Media:** Carbon dioxide, dry chemical, foam.

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

## Section 6 - Accidental Release Measures

**6.1 Spill /Leak Procedures:** Ventilate area highly flammable. Spillages of the 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 the material. Stop leak if without risk. Move containers from the 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 it 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 ignition sources. 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.

## Section 8 - Exposure Controls / Personal Protection

### 8.1

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

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

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

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

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

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

## 8.7 Personal protective equipment

### 8.7.1 Respiratory protection

Where risk assessment shows that air-purifying respirators are appropriate for a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) cartridges 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).

### 8.7.2 Hand protection

Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques 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: Viton

Splash contact: Viton

Registered trademark of The Chemours Company FC, LLC.

### 8.7.3 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).

### 8.7.4 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.

## 8.8 Protective Clothing Pictograms



Splash Goggles



Gloves



Protective Apron



Vapor Respirator

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## Section 9 - Physical and Chemical Properties

### 9.1

**Physical State:** Liquid

**Appearance:** Various

**Odor:** Aromatic Hydrocarbon Odor

**Vapor Pressure:** Not Available

**Vapor Density (Air=1):** >1

**Specific Gravity (H<sub>2</sub>O=1):** Not Available

**Relative Density:** Not Available

**Odor Threshold:** Not Available

**Flammability (solid, gas):** Not applicable.

**Evaporation rate:** Not Available

**Partition coefficient octanol/water:** Not Available

**Water Solubility:** Not Data Available

**Flash Point:** 125.6°F (52°C) closed cup

**Boiling Point/Range** 320°F (160°C)

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

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

**Melting Point** Not Data Available

**Viscosity:** <20.5mm<sup>2</sup>/s @104°F 40°C

**Autoignition Temperature:** Not Data Available

**Decomposition temperature:** Not Available

**pH:** None

## 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

Acute Toxicity Estimate for this blend (ATE)

ATE (Oral): 1099 mg/kg

ATE (Dermal): 1900 mg/kg

ATE (Inhalation vapor/mist): 4 mg/l mist

**11.1.1** OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause Harmful Oral Toxicity.

**11.1.2** OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause Harmful Dermal Toxicity.

**11.1.3** OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause Harmful Inhalation Toxicity.

**11.2 Route of Entry:** Inhalation, Ingestion, Absorption, Skin, and Eye Contact.

**11.3 Aspiration Hazard:** European Chemical Agency Data Base shows that this product's components may be fatal if swallowed and enters airways.

**11.4 Mutagenicity:** OECD Guideline Test results found in the European Chemical Agency Database show no components cause genetic defects.

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**11.5 Skin Corrosion/Irritation:** OECD Guideline Test results found in the European Chemical Agency Database show that components cause skin irritation. Repeated exposure may cause skin dryness or cracking.

**11.6 Serious Eye Damage/Irritation:** OECD Guideline Test results found in the European Chemical Agency Database show that no product components cause serious eye irritation. However, it can cause redness, discomfort, and irritate your eyes.

**11.7 Reproductive toxicity:** OECD Guideline Test results found in the European Chemical Agency Database show no components to cause damage to fertility or the unborn child.

**11.8 Skin Sensitization** OECD Guideline Tests results found in the European Chemical Agency Database show no product components to cause skin sensitivity.

**11.9 Respiratory Sensitization** OECD Guideline Tests results found in the European Chemical Agency Database show no product components to cause respiratory sensitivity.

**11.10 Specific Target Organ Toxicity (Single Exposure):** European Chemical Agency Database shows that no components may cause damage to organs due to a single exposure.

**11.11 Specific Target Organ Toxicity (Repeated Exposure):** Contains chemicals that may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

**11.12 Signs and Symptoms:** Effects due to exposure may include: Headache, Dizziness, Drowsiness, Metabolic Acidosis, Coma, Seizures. Symptoms may be delayed.

**11.13 Carcinogenicity:** OECD Guideline Test results found in the European Chemical Agency Database show that this product's components can cause cancer.

## 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 |         |          |

**Toxicity:** OECD Guideline Test results found in the European Chemical Agency Database show this product's components to cause long-term toxicity to aquatic life.

**12.2 Mobility:** Floats on water

**12.3 Persistence/degradability:** Inconclusive technical data.

**12.4 Bioaccumulation:** Inconclusive technical data.

**12.5 Other adverse effects:** Inconclusive technical data.



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## Section 13 - Disposal Considerations

**13.1 Disposal: DO NOT REUSE EMPTY CONTAINER!** The container should be completely emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

## 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

**Placard:** Flammable

**Marking:** Marine

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

### 14.2 IMDG Transport Information



**ID No.:** UN 3295

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

**Hazard Class:** 3

**Packing Group:** III

**Flash Point:** 52 °C - closed cup

**EmS Number:** F-E, S-D

**Marking:** Marine Pollutant Diesel Fuel

**Label:** Flammable

**Placard:** Flammable

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## 14.3 UN Transport Information



**ID No.:** UN 3295

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

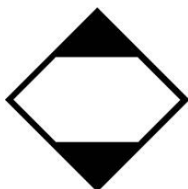
**Hazard Class:** 3

**Packing Group:** III

**Marking:** MARINE POLLUTANT Diesel Fuel

**Label:** Flammable

**Placard:** Flammable

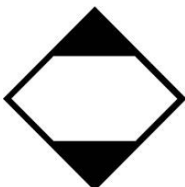


## 14.4 DOT Transport Limited Quantity/Consumer Commodity

Inner packaging not over

5.0L (1.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each



## 14.5 IMDG Transport Limited Quantity

Inner packaging not over 5.0L (1.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each

**ID No.:** UN 3295

**Shipping Name:** HYDROCARBONS, LIQUID, N.O.S.LTD. QTY.

**Hazard Class:** 3

**Packing Group:** III

**Flash Point:** (52° C c.c.)

**EmS Number:** F-E, S-D

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## Section 15 - Regulatory Information

### 15.1 US Regulations:

**TSCA: US. Toxic Substances Control Act:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**Toxic Release Inventory (TRI):** This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372):

| CAS Number | Chemical Name | Chemical percentage by weight not exceeding |
|------------|---------------|---|
| 91-20-3    | Naphthalene   | At demines% limits                          |
| 98-82-8    | Cumene        | At demines% limits                          |
| 1330-20-7  | Xylene        | At demines% limits                          |
| 110-54-3   | n-Hexane      | At demines% limits                          |
| 100-41-4   | Ethylbenzene  | At demines% limits                          |

This information must be included in all SDSs that are copied and distributed for this material.

**CERCLA Hazardous Substances and corresponding RQs:** N-Hexane 5000 lbs., Ethylbenzene 1000 lbs., Naphthalene 100lbs., Cumene 5000lbs., Xylene 100 lbs.

**SARA Community Right-to-Know Program:** All components of this blend.

**Clean Water Act:** None

**Clean Air Act:** None

**OSHA:** All ingredients are listed in 29 CFR 1910.1200.

### State Regulations California prop. 65



**WARNING** This product can expose you to chemicals including Naphthalene CAS # 91-20-3 Cumene CAS # 98-82-8, Ethylbenzene CAS # 100-41-4, Xylene CAS # 1330-20-7, and n-Hexane CAS # 110-54-3, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemicals on the following State Right to Know Lists:

**Massachusetts:** All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

**New Jersey** All components of this product are on the New Jersey inventory or are exempt from Inventory requirements.

**Pennsylvania:** All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements.

### 15.2

#### International Regulations:

**Australian Inventory of Chemical Substances:** All components of this product are on the Inventory or are exempt from Inventory requirements.

**National Existing Chemical Inventory in Taiwan:** All components of this product are on Inventory or are exempt from Inventory requirements.

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**Philippine Inventory of Chemicals and Chemical Substances** All components of this product are on the Inventory or are exempt from Inventory requirements.

**China Existing Chemical Inventory:** All components of this product are on the Inventory or are exempt from Inventory requirements.

## 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 failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall determine the product's suitability for their particular purpose and on the condition that they assume the risk of their use.

**16.2 References:** CHEMpendium database of the Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller Online, European Chemical Agency Data Base, and MSDS and SDS of chemicals in this mixture.