Safety Data Sheet

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia
Date of Revision: None **Revision: 0**

Section 1 - Chemical Product and Company Identification

1.1 Product Name: Octanium Unleaded
1.2 Synonym: Blend
.3 Manufacture: VP Racing Fuels, Inc., 7124 Richter Road, Elmendorf, TX 78112, 210.635.7744
1.4 Supplier: VP Racing Fuels Pty Ltd, Unit 24 85-115 Alfred Road, Chipping Norton, NSW 2170, Australia 02 9723 4233, **Emergency Telephone:** 0421 116 838.
1.5 Recommended Use: Racing Fuel
1.6 RESTRICTIONS on USE **THIS FUEL IS FOR RACING VEHICLE USE ONLY!**

NOT LEGAL FOR STREET DRIVEN MOTOR VEHICLE

1.7 Emergency Response Number: CHEMTREC 800-424-9300

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

CHEMTREC Australia (Sydney) +(61) 290372994

1.8 Poison Control Centre: 13 11 26, 24 hours a day from anywhere in Australia.

Section 2 - Hazards Identification

GHS HAZARD

2.1 Hazard Classes	**Hazard Categories**
Highly Flammable liquid/vapor	Category 2
Aspiration Hazard	Category 1
Eye Irritation	Category 2A
Skin Irritation	Category 2
Mutagenicity	Category 1B
Carcinogen	Category 1B
Specific Target Organs toxicity single exposure	Category 3
Acute Toxicity (Dermal)	Category 4
Toxic to aquatic life with long lasting affects	Category 2

2.2 Signal Word: Danger

2.3 *Pictograms:*

Flame Health hazard Irritant Toxic to aquatic life

2.4 *Hazard Statements*

PHYSICAL HAZARDS:

H225: Highly flammable liquid and vapor.

HEALTH HAZARDS:

H304: May be fatal if swallowed and enter the airway.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H340: May cause genetic defects.
H350: May cause cancer.

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.
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.
P271: Use only outdoors or in well ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves, clothing and eye protection.

RESPONSE STATEMENTS:

P301 +P310: IF SWALLOWED: USA Immediately call the National POISON CENTER at 800-222-1222, OUTSIDE USA Immediately call poison center or doctor.
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.
P305+P351: IF IN EYES rinse cautiously with water for at least 15 minutes.
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+P337: If skin or eye irritation persists get medical attention.
H314: Get medical attention if you feel unwell
P370: In case of fire use foam, carbon dioxide, dry chemical to extinguish 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/or container in accordance with local, regional, national or international regulations

Section 3 - Composition / Information on Ingredients

3.1

CAS#	EC#	Chemical Names	Percent	Classification
N/A	N/A	Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	94-97%	None
12108-13-3	235-166-5	MMT	3-6%	Acute Tox. 3 H301, Acute Tox. 2 H310, Acute Tox. 1 H330, Aquatic Chronic 1 H410, Aquatic Acute 1 H400

3.2 Blend Contains

Chemical Names	CAS#	EC#	Classification
Alkylate Full Range	68527-27-5	203-625-9	Flam. Liq.1 H224, Asp. Tox. 1 H304, Muta 1B H340, Carc1B H350, Aquatic Chronic 2, H411
1,2,4-Trimethylbenzene	95-63-6	202-436-9	Flam. Liq. 3 H226, Skin Irrit. 2 H315, Eye Irrit 2, H319, Acute Tox. 4 H332, STOT SE 3 H335, Aquatic Chronic 2, H411
Petroleum Distillates Hydrotreated Light	64742-47-8	265-149-8	Asp. Tox. 1 H304, Muta. 1B H340, Carc1B H350

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 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.

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

Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA- PEL
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	25-300 ppm TWA	25-300 ppm TWA
MMT	0.2mg/m3	0.2mg/m3

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.

8.4 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."

8.5 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.

8.6 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

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: Viton
Splash contact: Viton
Registered trademark of The Chemours Company FC, LLC.

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

8.9 Protective Clothing Pictograms

Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid
Appearance: Various
Odor: Hydrocarbon Odor
Vapor Pressure: Not Available
Vapor Density (Air=1): >1
Specific Gravity (H2O=1,): 0.74
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: Insoluble
Flash Point: -42.7°C closed cup
Boiling Point/Range: 108°F (42.2°C)
Lower Explosive Limits (vol % in air): Not Available
Upper Explosive Limits (vol % in air): Not Available
Melting Point: Not Available
Viscosity: <20.5mm2/s @104°F 40°C
Auto ignition Temperature: Not 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): 10000 mg/kg
ATE (Dermal): 1428 mg/kg
ATE (Inhalation vapor/mist): 29.5 mg/l

11.1.1 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Oral Toxicity.

11.1.2 OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Harmful Dermal Toxicity.

11.1.3 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Inhalation Toxicity.

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

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

11.4 Mutagenicity: OECD Guideline Test results found in the European Chemical Agency Data Base show components of this product to cause genetic defects.

11.5 Skin Corrosion/Irritation: OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to 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 Data Base shows that components of this product to cause serious eye irritation.

11.7 Reproductive toxicity: OECD Guideline Test results found in the European Chemical Agency Data Base show no components of this product to cause damage to fertility or the unborn child.

11.8 Skin Sensitization: OECD Guideline Tests results found in the European Chemical Agency Data Base show no components of this product to cause skin sensitivity.

11.9 Respiratory Sensitization: OECD Guideline Tests results found in the European Chemical Agency Data Base show no components of this product to cause respiratory sensitivity.

11.10 Specific Target Organ Toxicity (Single Exposure): European Chemical Agency Data Base shows that components of this product may cause damage to the central nervous system (CNS).

11.11 Specific Target Organ Toxicity (Repeated Exposure): European Chemical Agency Data Base shows that no components of this product repeated organ toxicity. However, may contain chemicals which 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 Data Base shows that components of this product to cause cancer.

Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	Expected to be toxic to aquatic organisms which will cause long-term adverse effects in the environment		
MMT	Very toxic to aquatic organisms		

Toxicity: OECD Guideline Test results found in the European Chemical Agency Data Base show components of this product 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.

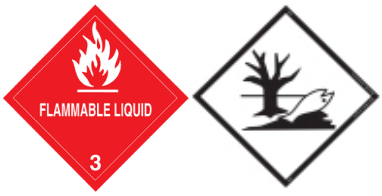
12.6 Other Adverse Effects: Not available on this mixture

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

14.1
Australian Transport Information



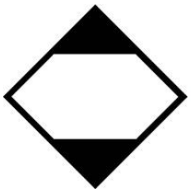
ID No.: UN 3295
Shipping Name: Hydrocarbons, liquid, n.o.s.
Hazard Class: 3
Packing Group: II
Marking: Marine Pollutant Alkylate Full Range
Label: Flammable
Placard: Flammable
HAZCHEM Code: 3YE (3), **HIN** 33

14.2 IMDG Transport Information

ID No.: UN 3295
Shipping Name: HYDROCARBONS, LIQUID, N.O.S.
Hazard Class: 3
Packing Group: II
Flash Point: -42.7 °C - closed cup
EmS Number: F-E, S-D
Marking: Marine Pollutant Alkylate Full Range
Label: Flammable
Placard: Flammable

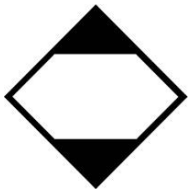
14.3 UN Dangerous Goods Transport Information

ID No.: UN 3295
Shipping Name: Hydrocarbons, liquid, n.o.s.
Hazard Class: 3
Packing Group: II
Marking: Marine Pollutant Alkylate Full Range
Label: Flammable
Placard: Flammable



14.4 Australian Transport Limited Quantity

Inner packaging not over
1.0L net capacity each.
Outer Package not over 30kg each



14.5 IMDG Transport Limited Quantity

Inner packaging not over1.0L net capacity each.
Outer Package not over 30kg each
ID No.: UN 3295
Shipping Name: HYDROCARBONS, LIQUID, N.O.S.LTD. QTY.
Hazard Class: 3
Packing Group: II
Flash Point: (-42.7˚ C c.c.)
EmS Number: F-E, S-D

Section 15 - Regulatory Information

15.1
Australian manufacturers' and importers' obligations under the WHS Regulations: 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 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: CHEMpendium data base of 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.

16.3 SDS Preparation Date: 07/24/2019
SDS Previous Issue Date: None

Prepared by SJC Compliance Education, Inc.
I6515 El Camino Real Suite 417
Houston, TX. 77062
VP@sjcedu.org