



## Safety Data Sheet

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia  
Date of Revision: 12/11/2020 Revision: 01

### Section 1 - Chemical Product and Company Identification

1.1 Product Name: **Octanium Unleaded**

1.2 Synonym: Blend

1.3 Manufacturer: VP Racing Fuels, Inc., 7124 Richter Road, Elmhurst, 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: **THIS ADDITIVE IS FOR GASOLINE FUEL USE ONLY!**

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

**Flammable liquid**

**Aspiration Hazard**

**Skin Irritation**

**Eye Irritation**

**Mutagenicity**

**Carcinogen**

**Specific Target Organs toxicity single exposure**

**Acute Toxicity (Oral)**

**Acute Toxicity (Inhalation)**

**Toxic to aquatic life with long lasting effects**

#### Hazard Categories

**Category 4**

**Category 1**

**Category 2**

**Category 2A**

**Category 1B**

**Category 1B**

**Category 3**

**Category 4**

**Category 4**

**Category 2**

2.2 **Signal Word: Danger**

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia



## 2.3 Pictograms:

Health hazard

Irritant

Toxic to aquatic life

## 2.4 Hazard Statements

### PHYSICAL HAZARDS:

H227: Combustible liquid.

### HEALTH HAZARDS:

H302: Harmful if swallowed.

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

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

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.

P260: Do not breathe vapors.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves, clothing, and eye protection.

### RESPONSE STATEMENTS:

P301 +P310: IF SWALLOWED: Immediately call a 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+P314: If exposed or concerned or feel unwell, get medical attention.

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

P313+P332+P337: If skin or eye irritation persists, get medical attention.

P362+P364: IF ON CLOTHING, take off contaminated clothing and wash it before reuse.

P370+P378: In case of fire, use foam, carbon dioxide, dry chemical to extinguish the 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: AUH066** Repeated exposure may cause skin dryness and cracking.

## 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	93-94%	None
12108-13-3	235-166-5	Methylcyclopentadienyl manganese tricarbonyl	3-6%	Acute Tox. 3 H301, Acute Tox. 2 H310, Acute Tox. 1 H330, Aquatic Chronic 1 H410, Aquatic Acute 1 H400
102-71-6	203-049-8	2,2',2''-nitriлотriethanol	1-3%	Not Classified

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

## 3.2 Blend Contains

Chemical Names	CAS#	EC#	Classification
Distillates (petroleum), Hydrotreated middle	64742-46-7	265-148-2	Carc. 1B H350
Petroleum Distillates Hydrotreated Light	64742-95-6	265-199-0	Asp. Tox. 1 H304, Muta. 1B H340, Carc1B H350
Pseudocumene	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
Mesitylene	108-67-8	203-605-4	Flam. Liq. 3 H226, STOT SE 3 H335, Aquatic Chronic 2 H411
2-Phenylpropane	98-82-8	202-704-5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, Aquatic Chronic 2 H411

**3.3 Trade Secret Provision and Chemical Concentration Disclosure:** Following GHS Regulations, we have withheld specific percentages of the mixture's chemicals. The chemical concentrations have been disclosed as a blend and applicable to the hazards 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 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 Note to Physicians:** *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 exposure. Therefore, there is a need for rapid treatment of any exposure.

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

**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, following 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	OEL
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	25-300 ppm TWA	25-300 ppm TWA
Methylcyclopentadienyl manganese tricarbonyl	0.2mg/m3	0.2mg/m3

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

2,2',2''-nitrioltriethanol	5mg/m3	None shown
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**8.2 ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.**

**8.3 OEL = OCCUPATIONAL EXPOSURE LIMITS**

**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

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 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.

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



Splash Goggles



Gloves



Protective Apron



Vapor Respirator

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

## 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 (H<sub>2</sub>O=1,):** 0.84

**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:** 80°C closed cup

**Boiling Point/Range:** Not Available

**Lower Explosive Limits (vol % in air):** Not Available

**Upper Explosive Limits (vol % in air):** Not Available

**Melting Point:** Not Available

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

**Autoignition 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): 1111 mg/kg

ATE (Dermal): 2500 mg/kg

ATE (Inhalation vapor/mist): 14.8 mg/l vapor

**11.1.1** OECD Guideline Test results found in the European Chemical Agency Database show that there are no components of this product to cause Harmful Oral Toxicity.

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

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

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

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

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

**11.4 Mutagenicity:** OECD Guideline Test results found in the European Chemical Agency Database show this product's components to cause genetic defects.

**11.5 Skin Corrosion/Irritation:** OECD Guideline Test results found in the European Chemical Agency Database show that this product's 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 this product's components cause serious eye irritation.

**11.7 Reproductive toxicity:** OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause damage 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 this product's components may cause damage the central nervous system (CNS).

**11.11 Specific Target Organ Toxicity (Repeated Exposure):** European Chemical Agency Database shows no components of this product repeated organ toxicity. However, it may contain 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 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		
Methylcyclopentadienyl manganese tricarbonyl	Very toxic to aquatic organisms		
2,2',2''-nitrioltriethanol	None Listed		

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

**12.2 Mobility:** Floats on water



## Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

**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!** 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

Less than 5 Liters single package Not regulated

Greater than 5 Liters single package



ID No.: UN 3082

Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (2-Phenylpropane, Mesitylene)

Hazard Class: 9

Packing Group: III

Marking: MARINE POLLUTANT 2-Phenylpropane

Label: Class 9

Placard: Class 9

HAZCHEM Code: •3Z, HIN 90

#### 14.2 IMDG Transport Information

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

Less than 5 Liters single package Not regulated

Greater than 5 Liters single package



**ID No.:** UN 3082

**Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Phenylpropane Mesitylene)

**Hazard Class:** 9

**Packing Group:** III

**EmS Number:** F-A, S-F

**MARINE POLLUTANT Name:** 2-Phenylpropane

**Marking:** MARINE POLLUTANT

**Label:** Class 9

**Placard:** Class 9

## 14.3 UN Dangerous Goods Transport Information

Less than 5 Liters single package Not regulated

Greater than 5 Liters single package



**ID No.:** UN 3082

**Shipping Name:** Environmentally Hazardous Substance, Liquid, n.o.s. (2-Phenylpropane Mesitylene)

**Hazard Class:** 9

**Packing Group:** III

**MARINE POLLUTANT Name:** 2-Phenylpropane

**Marking:** MARINE POLLUTANT

**Label:** Class 9

**Placard:** Class 9

## 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.

# Octanium Unleaded

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia

## 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 suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

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

**16.3 SDS Preparation Date:** 07/24/2019

**SDS Previous Issue Date:** None

**SDS Revision Date:** 12/11/2020 Revised sections 1,2,3,8,9,11,12,14,15,16

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END OF SAFETY DATA SHEET

