# *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**
**Conforms to Regulation (EC) No 1272/2008 and aligns to the United Nations Globally Harmonized System**
**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:** VP SEF 4-Cycle Fuel
**1.2** VP Racing Fuels, Inc., 7124 Richter Road, Elmendorf, TX 78112, 210.635.7744
**1.3** Recommended Use: Small Engine Fuel

**1.4 RESTRICTIONS on USE** **THIS PRODUCT IS FOR 4 CYCLE GASOLINE ENGINE USE ONLY!**

**1.5 Emergency Response Number: CHEMTREC 800-424-9300**

**International Emergency Telephone Number: 703-527-3887**

**1.6 See Section 16.3 for CHEMTRC in Country Emergency Numbers**

## Section 2 - Hazards Identification

**2.1 GHS HAZARD**

| Hazard Classes | Hazard Categories |
|---|---|
| Highly Flammable liquid/vapor | Category 2 |
| Specific Target Organ Toxicity single exposure | Category 3 |
| Specific Target Organ Toxicity repeated exposure | Category 1 |
| Reproductive Toxicity | Category 2 |
| Eye Irritation | Category 2A |
| Skin Irritation | Category 2 |
| Acute Toxicity (Oral) | Category 4 |
| Aspiration Hazard | Category 1 |
| Harmful to aquatic life with long lasting affects | Category 2 |

**2.2 Signal Word:** Danger

**2.3*Pictograms:***

Flame Health Hazard Irritant Aquatic Hazard

## 2.4 *Hazard Statements*

| | |
|---|---|
| **PHYSICAL HAZARDS:** | **H225: Highly flammable liquid and vapor** |
| **HEALTH HAZARDS:** | **H302: Harmful if swallowed**<br>**H304: May be fatal if swallowed and enter the airway**<br>**H315: Causes skin irritation**<br>**H319: Causes serious eye irritation**<br>**H361: Suspected of damaging fertility or the unborn child**<br>**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**<br>**P202: Do not handle until all safety precautions have been read and understood**<br>**P210: Keep away from sparks and open flames- No smoking**<br>**P260: Do not breathe vapors**<br>**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. OUT SIDE USA Immediately call poison center or doctor.DO NOT induce vomiting**<br>**P303+P361+353: IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water**<br>**P304+340: IF INHALED, Remove to fresh air and keep comfortable for breathing**<br>**P305+P351: IF IN EYES rinse cautiously with water for at least 15 minutes**<br>**P306+P361: IF ON CLOTHING, Take off contaminated clothing**<br>**P370: In case of fire use foam, carbon dioxide, dry chemical to extinguish fire**<br>**P376: Stop leaks if safe to do so. See section 6 for proper clean up** |
| **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 Aliphatic and Aromatic Hydrocarbons C-2 to C-20 | 100% | None |

**3.2** Blend Contains

| Chemical Names | CAS# | EC# |
|---|---|---|
| Naphtha (petroleum), full-range alkylate | 64741-64-6 | 265-066-7 |
| 2-Methyl butane | 78-78-4 | 201-142-8 |
| Phenylmethane | 108-88-3 | 203-625-9 |
| Hydrotreated light distillate | 64742-47-8 | 265-149-8 |

**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.

**4.5** ***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** Note to Physicians: If you determine that a medical emergency exists and the specific chemical identity is necessary for emergency or first-aid treatment we will immediately disclose the specific chemical identity. Call CHEMTREC 800-424-9300 or 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 the specific chemical percentages .

## 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:** Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid ingestion and contact with eyes, skin or clothing. Keep container tightly closed. Avoid inhalation.

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

## 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 | 300ppm TWA | 300ppm TWA |

**8.2 STEL = Short-term Exposure Limit**.
**ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.**
**OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.**
**NOTE: 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.

**8.3 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.

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

**8.5 Personal protective equipment**

**8.5.1** 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).

**8.5.2** 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 and safety officer familiar with the specific situation of anticipated use. It should not be construed as offering an approval for any specific use scenario.

**8.5.3** 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).

**8.5.4** 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.

**8.6 Protective Clothing Pictograms**


**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@21ºC
**Vapor Density (Air=1):** 3.9
**Specific Gravity ($H_2O$=1,):** .7
**pH:** N/A

**Water Solubility:** Insoluble in water
**Flash Point:** 32 °F, 0 °C
**Boiling Point:** 97 °F, 34 °C
**Freezing/Melting Point: :** Not Available
**Viscosity:** Not Available
**Auto ignition Temperature:** 527°F, 275°C
**LEL:** 1%
**UEL:** 8%

## 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 Aliphatic and Aromatic Hydrocarbons C-2 to C-20 | Oral LD50 | Rat | <2000 mg/kg | Non 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 Acute Toxicity**: Harmful if swallowed.

**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: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

**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 Aliphatic and Aromatic Hydrocarbons C-2 to C-20 | Group 3 | A 4 | Not listed | Not listed |

**Key to Abbreviations**
IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans.
ACGIH= American Conference of Governmental Industrial Hygienists= A 4 Not Classifiable as a Human Carcinogen
NTP = National Toxicology Program.

## 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. May cause long-term adverse effects in the environment | | |

**Toxicity:** Acute aquatic toxicity studies on samples of gasoline and naphtha streams show acute toxicity values greater than 1 mg/l and mostly in the range 1-100 mg/l. These tests were carried out on water accommodated fractions, in closed systems to prevent evaporative loss. Results are consistent with the predicted aquatic toxicity of these substances based on their hydrocarbon composition. These substances should be regarded as harmful to aquatic organisms, with the potential to cause long term adverse effects in the aquatic environment.

**12.2 Mobility:** Floats on water, absorbs to soil and has low mobility.

**12.3 Persistence/degradability:** No data on this blend.

**12.4 Bioaccumulation:** No data on this blend.

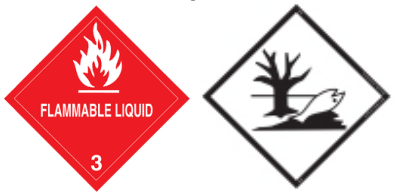
**12.5 Other adverse effects:** No data on this blend.

## 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.

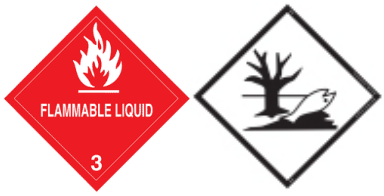
## Section 14 - Transport Information

**14.1 US Transport Information**




**DOT Transport Information**
**ID No.:** UN 3295
**Shipping Name:** Hydrocarbons, liquid, n.o.s.
**Hazard Class:** 3
**Packing Group:** II
**Marking:** MARINE POLLUTANT Naphtha (petroleum), full-range alkylate is a Marine Pollutant when shipping ground greater than 119 gallons single container or any quantity by water
**Label:** Flammable
**Placard:** Flammable

### 14.2 TDG Canada Transport Information




**ID No.:** UN 3295
**Shipping Name:** Hydrocarbons, liquid, n.o.s.
**Hazard Class:** 3
**Packing Group:** II
**Marking:** MARINE POLLUTANT Naphtha (petroleum), full-range alkylate not regulated if shipped by road or rail

### 14.3 IMDG Transport Information

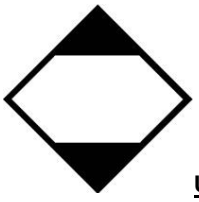

**ID No.:** UN 3295
**Shipping Name:** HYDROCARBONS, LIQUID, N.O.S.
**Hazard Class:** 3
**Packing Group:** II
**Flash Point** (0°C c.c.)
**MARINE POLLUTANT Name:** Naphtha (petroleum), full-range alkylate
**EmS Number:** F-E, S-D
**Marking:** MARINE POLLUTANT
**Label:** Flammable
**Placard:** Flammable

### 14.4 ADR/RID Transport Information


**ID No.:** UN 3295
**Shipping Name: Hazard Class:** 3
**Packing Group:** II
**Classification code:** F1
**Special provision:** 640C
**Flash Point:** (0°C c.c.)
**MARINE POLLUTANT Name:** Naphtha (petroleum), full-range alkylate
**Marking:** MARINE POLLUTANT
**Label:** Flammable
**Placard:** Flammable

## 14.5 Australian Dangerous Goods Transport Information

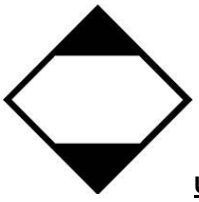
**ID No.:** UN 3295
**Shipping Name:** Hydrocarbons, Liquid, n.o.s.
**Hazard Class:** 3
**Packing Group:** II
**Flash Point:** (0°C c.c.)
**MARINE POLLUTANT Name:** Naphtha (petroleum), full-range alkylate
**Marking:** MARINE POLLUTANT The marine pollutant mark is only applicable for packages containing more than 5 liter for liquids
**Label:** Flammable
**Placard:** Flammable



**Use marking when shipping as a consumer commodity ground in the US**

## 14.6 DOT Transport Limited Quantity/Consumer Commodity

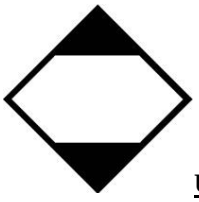
Inner packaging not over
1.0L (0.3 gallons) net capacity each.
Outer Package not over 30kg (66lbs) each



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

## 14.7 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.**

## 14.8 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, LIQUIDS, N.O.S. LTD.QTY.
**Hazard Class:** 3
**Packing Group:** II
**Flash Point:** (0˚ C c.c.)
**EmS Number:** F-E, S-D
**NOTE:** Because the MARINE POLLUTANT in the inner packaging of the combination packaging is a net quantity of 5 L or less. The
MARINE POLLUTANT Marking is not required

## Section 15 - Regulatory Information

### 15.1 US Regulations

**TSCA:** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20

**CERCLA Hazardous Substances and corresponding RQs:** One Component of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20 1000 pounds

**SARA Community Right-to-Know Program:** Two Component of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20

**Clean Water Act:** None

**Clean Air Act:** One Component of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20

**OSHA:** All ingredients are regulated by 1910.1200

**State Regulations**
**California prop. 65**: One Component of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20

Chemicals on the following State Right to Know Lists:

**Massachusetts:** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20

**New Jersey** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20

**Pennsylvania:** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20

### 15.2 Canadian Regulation:

**The following substances are specified on the public Portion of the Domestic Substances List (DSL):** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20.

### 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.**

All substances contained in this product are listed on the EU directives or are not required to be listed.

**International Regulations:**
**Australian Inventory of Chemical Substance** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20.

**National Existing Chemical Inventory in Taiwan:** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20.

**Philippine Inventory of Chemicals and Chemical Substances** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20.

**China Existing Chemical Inventory:** All of the Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20.

## 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 on Line and MSDS and SDS of chemicals in this mixture.

**16.3 CHEMTREC In country emergency dial numbers:**

Australia (Sydney) +(61)-290372994
China 4001-204937 Must be call within China
Germany 0800-181-7059 Must be call within Germany
Germany ( Frankfurt) +(49)-6964350840
Russia 8-800-100-6346 Must be call within Russia

**16.4 SDS Preparation Date** 04/09/2015
**SDS Previous issue Date:** None
Prepared by SJC Compliance Education, Inc
16516 El Camino Real Suite 417
Houston, TX 77062