

Unleaded Race Fuel with Ethanol

## Identification of the material and supplier

# Material Safety Data Sheet

### Product name

Unleaded Race Fuel with Ethanol

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**ADG** : PETROLEUM DISTILLATES, N.O.S. (Complex combination of hydrocarbons)

### Names

**Area of application** Industrial applications.

**Material uses** Fuel.

### Uses

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**Product type** : Liquid.

VP Racing Fuels

7124 Richter Rd

Elmendorf, TX 78112

**Supplier/Manufacturer** :

**Emergency telephone** : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887

### number

**Conforms to** : National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition -NOHSC:2011(2003) (Australia).

## IDENTIFICATION OF SUPPLIER

**Importer Name** VP RACING FUELS Pty Ltd

**Address** Unit 24

85-115 Alfred Road

Chipping Norton NSW 2170

**Telephone Number** 02 9723 4233

**Emergency Telephone** 0421 116 838

## 2 . Hazards identification

**Safety phrases** : S53- Avoid exposure - obtain special instructions before use.

**Classification** F; R11

Carc. Cat. 2; R45

Xn; R65

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**Risk phrases** R11- Highly flammable.

R45- May cause cancer.

R65- Also harmful: may cause lung damage if swallowed.

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### Statement of

**hazardous/dangerous nature**

: HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

### Mixture

**Ingredient name CAS number Concentration**

Complex combination of hydrocarbons 86290-81-5 70 - 100

Ethanol 64-17-5 7 - 30

: Yes.

### 3 . Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Protection of first-aiders :** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### 4 . First-aid measures

**Eye contact** Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

Wash with soap and water. Get medical attention if symptoms occur.

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**Skin contact**

**Ingestion**

**Inhalation**

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### 4 . First-aid measures

**Advice to doctor** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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**Special protective equipment for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Extinguishing media**

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### 5 . Fire-fighting measures

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Highly flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

**Special exposure hazards :**

Do not use water jet.

**Suitable :**

**Not suitable :**

### **Hazardous thermal decomposition products**

: Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### **Special protective equipment for fire-fighters**

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### **Environmental precautions**

#### **Personal precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

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## **6 . Accidental release measures**

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

#### **Methods for cleaning up**

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## **Unleaded Race Fuel with Ethanol**

### **Handling**

#### **Storage**

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before

transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

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## 7 . Handling and storage

**Engineering measures** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation

or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### **Exposure controls**

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Complex combination of hydrocarbons **NOHSC (Australia, 8/2005).**

TWA: 900 mg/m<sup>3</sup> 8 hour(s).

Ethanol **NOHSC (Australia, 8/2005).**

TWA: 1880 mg/m<sup>3</sup> 8 hour(s).

TWA: 1000 ppm 8 hour(s).

### **Ingredient name Exposure limits**

## 8 . Exposure controls/personal protection

### **Occupational exposure limits**

### **Recommended monitoring**

### **procedures**

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

### **Eye protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

A respirator is not needed under normal and intended conditions of product use.

**Hand protection** Disposable vinyl gloves.

### **Respiratory protection**

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### **Skin protection**

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: Safety glasses.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

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## 8 . Exposure controls/personal protection

### **Environmental exposure**

**controls**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

>35°C (>95°F)

**Physical state**

**Melting point**

**Boiling point**

**Vapour pressure**

Liquid.

<2°C (<35.6°F)

<151.6 kPa (<1137 mm Hg)

**Odour** Characteristic.

**Colour** Various

**Evaporation rate (butyl acetate = 1)**

<12 (butyl acetate = 1)

**Auto-ignition temperature**

**Flash point**

>215°C (>419°F)

Closed cup: <22°C (<71.6°F) [Tagliabue.]

Lower: 0.9%

Upper: 36%

**Flammable limits**

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**Relative density** : 0.625 to 0.88

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**Vapour density** : >1 [Air = 1]

## 9 . Physical and chemical properties

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.

**Stability**

Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.

**Materials to avoid**

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**Conditions to avoid** Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid exposure - obtain special instructions before use. Do not swallow.

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## 10 . Stability and reactivity

## 11 . Toxicological information

### Potential acute health effects

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : Aspiration hazard if swallowed. Can enter lungs and cause damage.

**Skin contact** : May cause skin irritation.

**Eye contact** : May cause eye irritation.

### Potential chronic health effects

#### Carcinogenicity

#### Mutagenicity

#### Teratogenicity

May cause cancer. Risk of cancer depends on duration and level of exposure.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

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**Inhalation** No specific data.

### Over-exposure signs/symptoms

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### Acute toxicity

Ethanol LD50 Oral Rat 7 g/kg -

LD50 Oral Rat 7060 mg/kg -

### Product/ingredient name Result Species Dose Exposure

### Developmental effects

### Fertility effects

No known significant effects or critical hazards.

No known significant effects or critical hazards.

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**Chronic effects** : No known significant effects or critical hazards.

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## 11 . Toxicological information

### Skin

**Ingestion** Adverse symptoms may include the following:

nausea or vomiting

No specific data.

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**Target organs** Contains material which causes damage to the following organs: blood, kidneys, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

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**Eyes** : No specific data.

## 12 . Ecological information

**Other adverse effects** : No known significant effects or critical hazards.

**Environmental effects** : No known significant effects or critical hazards.

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible.

Empty

containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any

by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## 13 . Disposal considerations

## 14 . Transport information

### International transport regulations

**ADG** PETROLEUM DISTILLATES,  
N.O.S.

3 II

**IMDG** PETROLEUM DISTILLATES,  
N.O.S.

3 II

PETROLEUM DISTILLATES,  
N.O.S.

**IATA** UN1268 3

PETROLEUM DISTILLATES, 3  
N.O.S.

II UN1268

### Regulatory information

#### UN

#### number

#### Proper shipping name Classes PG\* Label

II

UN1268

UN1268

#### ADR

PG\* : Packing group

#### Additional information

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## Unleaded Race Fuel with Ethanol

**Australia inventory (AICS)** : Australia inventory (AICS): All components are listed or exempted.

## 15 . Regulatory information

### Standard for the Uniform Scheduling of Drugs and Poisons

### Control of Scheduled Carcinogenic Substances

### Ingredient name Schedule

No listed substance

Not regulated.

## 16 . Other information

VP RACING FUELS Pty Ltd 02 9723 4233

VP RACING FUELS Ltd – Emergency Number 0421 116838

Police and Fire Brigade 000

Poisons Information Centre 13 11 26

**Person who prepared the  
MSDS**

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**History**

**Date of issue**

**Date of previous issue**

:

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06/12/2009

10/31/2008

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**

**Version : 2**

Atrion Regulatory Services, Inc.

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