

Leaded Race Fuel with MTBE

Identification of the material and supplier

Material Safety Data Sheet

Product name

Leaded Race Fuel with MTBE

1 .

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

Names

Area of application Industrial applications.

Material uses Fuel.

Uses

:

:

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 THE MATERIAL AND 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.

S28- After contact with skin, wash immediately with plenty of soap and water.

S36/37- Wear suitable protective clothing and gloves.

S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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Classification F; R11

Carc. Cat. 2; R45

Repr. Cat. 1; R61

T+; R26/27/28

Xn; R65

Xi; R38

R33

R52/53

:

Risk phrases R11- Highly flammable.

R45- May cause cancer.

R61- May cause harm to the unborn child.

R26/27/28- Also very toxic by inhalation, in contact with skin and if swallowed.
R65- Also harmful: may cause lung damage if swallowed.
R38- Irritating to skin.
R33- Danger of cumulative effects.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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 > 49

Tert-butyl methyl ether 1634-04-4 < 50

Motorfuel antiknock compound 78-00-2 < 0.2

: 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.

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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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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

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

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

In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention.

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

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Skin contact

Ingestion

Inhalation

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, CO₂, water spray (fog) or foam.

Extinguishing media

:

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. This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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). Water polluting material.

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

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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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 spill product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

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. Avoid exposure during pregnancy. 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/m³ 8 hour(s).

Tert-butyl methyl ether **NOHSC (Australia, 8/2005).**

STEL: 275 mg/m³ 15 minute(s).

STEL: 75 ppm 15 minute(s).

TWA: 92 mg/m³ 8 hour(s).

TWA: 25 ppm 8 hour(s).

Motorfuel antiknock compound **NOHSC (Australia, 8/2005). Skin**

TWA: 0.1 mg/m³, (as Pb) 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.

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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.

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.

>35°C (>95°F)

Physical state

Melting point

Boiling point

Vapour pressure

Specific gravity

Liquid.

<2°C (<35.6°F)

0.625 to 0.88 g/cm³

<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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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

Materials to avoid Reactive or incompatible with the following materials: oxidizing materials.

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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. Avoid exposure during pregnancy. Do not swallow.

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10 . Stability and reactivity

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11 . Toxicological information

Potential acute health effects

Inhalation : Very toxic by inhalation.

Ingestion Very toxic if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Irritating to mouth, throat and stomach.

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Skin contact : Very toxic in contact with skin. Irritating to skin.

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.

Can cause birth defects.

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Skin

Ingestion

Inhalation No specific data.

Adverse symptoms may include the following:
nausea or vomiting

Adverse symptoms may include the following:
irritation

redness

Over-exposure signs/symptoms

:
:
:

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

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Acute toxicity

Tert-butyl methyl ether LD50 Oral Rat >4 g/kg -

Motorfuel antiknock compound LD50 Oral Rat 12300 ug/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.

:

:

Eyes : No specific data.

Chronic effects : Danger of cumulative effects.

12 . Ecological information

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

Aquatic ecotoxicity

Motorfuel antiknock compound - Acute LC50 230

ug/L Marine

water

Fish 96 hours

- Acute LC50 85

ug/L Marine

water

Crustaceans 48 hours

Product/ingredient name Test Result Species Exposure

Environmental effects : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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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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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**

:

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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