

Methylfuel™M1™

Identification of the material and supplier

Material Safety Data Sheet

Product name

Methylfuel™M1™

1 .

:

ADG METHANOL

Supplier

:

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 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 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).

:

Classification F; R11

T; R23/24/25, R39/23/24/25

:

Risk phrases R11- Highly flammable.

R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25- Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

:

Statement of hazardous/dangerous

nature

: HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Mixture

Ingredient name CAS number Concentration

Methanol 67-56-1 >99.85%

: 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.

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

:

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.

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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:

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Skin contact

Ingestion

Inhalation

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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, 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.

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

Handling 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. 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 explosionproof electrical (ventilating, lighting and material handling) equipment. Use nonsparking 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.

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7 . Handling and storage

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7 . Handling and storage

Storage 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.

:

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

:

Methanol **NOHSC (Australia, 8/2005). Skin**

STEL: 328 mg/m³ 15 minute(s).

STEL: 250 ppm 15 minute(s).

TWA: 262 mg/m³ 8 hour(s).

TWA: 200 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.

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

:

:

Skin protection

:

: 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.

Physical state

Vapour pressure

Specific gravity

Liquid. [Clear.]

0.7915 g/cm³ [20°C (68°F)]

12.9 kPa (97 mm Hg)

Odour Alcohol-like.

Evaporation rate (butyl

acetate = 1)

2.1 (Butyl acetate. = 1)

Flash point Open cup: 15.85°C (60.5°F) [Cleveland.]

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:
:

Relative density : 0.792 [Water = 1]

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:
:

9 . Physical and chemical properties

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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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:
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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.

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10 . Stability and reactivity

11 . Toxicological information

Potential acute health effects

Inhalation : Toxic by inhalation. Danger of very serious irreversible effects.

Ingestion : Toxic if swallowed. Danger of very serious irreversible effects.

Skin contact Toxic in contact with skin. Danger of very serious irreversible effects. May cause skin irritation.

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Eye contact : May cause eye irritation.

Potential chronic health effects

Carcinogenicity

Mutagenicity

Teratogenicity

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

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:
:

Skin

Ingestion

Inhalation No specific data.

No specific data.

No specific data.

Over-exposure signs/symptoms

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:
:

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

:

Acute toxicity

Methanol LD50 Dermal Rabbit 15800 mg/kg -

LD50 Oral Rat 5600 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.

:
:

Eyes : No specific data.

Chronic effects : No known significant effects or critical hazards.

12 . Ecological information

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

Aquatic ecotoxicity

Methanol - Acute LC50 3289

to 4395 mg/L

Daphnia 48 hours

- Acute LC50 19 to

20 ml/L

Fish 96 hours

- Acute LC50

2500000 ug/L

Crustaceans 48 hours

Product/ingredient name Test Result Species Exposure

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

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14 . Transport information

[International transport regulations](#)

[ADG](#) METHANOL 3 (6.1) II

⁶
[IMDG](#) METHANOL 3 (6.1) II

⁶
[IATA](#) UN1230 METHANOL

⁶
3 (6.1)
METHANOL 3 (6.1) II

⁶
UN1230
[Regulatory information](#)
[UN](#)

[number](#)
[Proper shipping name](#) [Classes](#) [PG*](#) [Label](#)

II
UN1230
UN1230

[ADR](#)
PG* : Packing group
[Additional information](#)
[Hazard identification](#)
[number](#)

336
[Limited quantity](#)
LQ0
[CEFIC Tremcard](#)
30S1230

-
-

[Passenger and Cargo](#)

[Aircraft](#) Quantity
limitation: 1 L

[Cargo Aircraft Only](#)
Quantity limitation: 60 L

[Limited Quantities -](#)
[Passenger Aircraft](#)

Quantity limitation: 1 L

[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

6

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

:

:

09/30/2008

07/27/2007

Version : 2

Atrion Regulatory Services, Inc.

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16 . Other information

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.

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