

## M-R METHANOL - RACE

### MATERIAL SAFETY DATA SHEET

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 Product identifier

Trade Name	MR Methanol - Race
Synonyms	Methanol, wood alcohol, methyl alcohol, methyl hydroxide, monohydroxymethane, wood naphtha, wood spirit.
Product Code	3275

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Uses	Solvent. Industrial use. Raw material for fuels or fuel additives
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##### 1.3 Details of the supplier of the safety data sheet

Supplier	Fast Fuels 365 Pty Ltd
Address	2 Hillclimb Rd , Westmead , Durban, South Africa ,3610
Telephone number	+27 31 787 0061
E-mail address	info@fastfuels.co.za

##### 1.4 Emergency telephone number

+27 83 93 83 777

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Classification	China. SAWS GHS classification list (SAWS No. 2015-80, August 19, 2015).
	Flammable liquids Category 2
	Acute oral toxicity Category 3
	Acute inhalation toxicity Category 3
	Acute dermal toxicity Category 3
	Specific target organ toxicity - single exposure Category 1

##### 2.2 Label elements

China. SAWS GHS clas

Pictogram



Signal word                      Danger

#### Hazard statements

H225: Highly flammable liquid and vapour.  
H301: Toxic if swallowed.  
H331: Toxic if inhaled.  
H311: Toxic in contact with skin.  
H370: May cause dizziness.

#### Precautionary statements

Prevention	<p>P210: Keep away from open flames/hot surfaces. - No smoking. P241: Use explosion-proof electrical/ ventilating/ lighting equipment. P243: Take precautionary measures against static discharge. P260: Do not breathe vapours. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P264: Wash hands thoroughly after handling. P284: In case of inadequate ventilation wear respiratory protection.</p>
Response	<p>P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330: Rinse mouth. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P312: Call a POISON CENTER or doctor/ physician if you feel unwell. P361: Remove/Take off immediately all contaminated clothing. P363: Wash contaminated clothing before reuse. P304 + P340 + P311: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor. P307 + P311: IF exposed: Call a POISON CENTER or doctor/ physician.</p>
Storage	<p>P403 + P233 + P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool. P405: Store locked up.</p>
Disposal	<p>P501: Dispose of contents/ container to an approved waste disposal plant.</p>
Other hazards	<p>No data available.</p>

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1 Substances**

Methanol & Lubricant

Contents	98.50 %W/W
CAS-No.	67-56-1
Index-No.	603-001-00-X
EC-No.	200-659-6
Hazard statements	H225 H301 H311 H331 H370

For the full text of the H-Statements mentioned in this Section, see Section 16.

## **SECTION 4: FIRST AID MEASURES**

### **4.1 Description of first aid measures**

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, get medical attention immediately.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

### **4.2 Most important symptoms and effects, both acute and delayed**

Refer to SECTION 11.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1 Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam. Dry chemical. Water spray.

### **5.2 Special hazards arising from the substance or mixture**

Flash back possible over considerable distance. Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, Keep people away from and upwind of spill/leak. Remove all sources of protective equipment & ignition. Do not breathe vapours or spray mist.  
emergency procedures

6.2 Environmental Prevent product from entering drains. Prevent further leakage or spillage if  
Precautions safe to do so.

6.3 Methods & material Soak up with inert absorbent material and dispose of as hazardous waste.  
for containment and  
cleaning up

6.4 Reference to other Refer to Section 8 and 13  
sections

## SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe Do not breathe vapours or spray mist. Wear personal protective equipment.  
handling

7.2 Advice on protection Keep away from open flames, hot surfaces and sources of ignition. Use explosion-  
against fire & explosion proof equipment.

7.3 Requirements for Keep containers tightly closed in a cool, well-ventilated place.  
Storage areas and  
containers

7.4 Advice on No data available.  
Common storage

7.5 Specific end use(s) No data available.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	TWA 8 Hour	TWA 8 Hour	TWA 8 Hour	TWA 8 Hour
Methanol	PC-TWA	25 mg/m <sup>3</sup>	03 2008	China OELs
Methanol	STEL	50 mg/m <sup>3</sup>	03 2008	China OELs
Methanol				

## 8.2 Exposure Controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection	Suitable respiratory equipment:
Hand protection	Gloves suitable for permanent contact: Material: nitrile rubber/nitrile latex Break through time: > 8 h Material thickness: 0.35 mm Unsuitable gloves: Material: natural rubber/natural latex polychloroprene butyl-rubber Polyvinylchloride
Eye protection	Safety glasses with side-shields
Skin and body protection	Protective suit Safety shoes
Hygiene measures	Wash hands before breaks and immediately after handling the product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

State of matter	Liquid; at 20 °C; 1,013 hPa
Colour	Colourless
Odour	Alcohol-like
Odour Threshold	No data available
pH	7; Neutral
Melting point/range	-97.8 °C
Boiling point/boiling range	64.7 °C
Flash point	12 °C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	463.89 °C
Lower explosion limit	6 %(V)
Upper explosion limit	36.5 %(V)
Vapour pressure	97.68 hPa; 20 °C
Relative vapour density	1.1
Density	0.79 g/cm <sup>3</sup> ; 20 °C
Water solubility	Miscible
Partition coefficient: n-octanol/water	log Pow: -0.8
Viscosity, dynamic	0.61 mPa.s

## SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of Hazardous reactions	Not known.

- 10.4 Conditions to avoid Heat, flames and sparks.  
 10.5 Materials to avoid Oxidizing agents. Acids and bases.  
 10.6 Hazardous Unknown.  
 decomposition products

## SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral toxicity	Methanol: LD50 : > 50 - 300 mg/kg; (literature value)
Acute inhalation toxicity	Methanol: LC50 Rat: vapour; > 2 - 10 mg/l; (literature value)
Acute dermal toxicity	Methanol: LD50 : > 200 - 1,000 mg/kg;
Skin irritation	Methanol: Rabbit: Not irritating; (literature value), Based on available data, the classification criteria are not met.
Eye irritation	Methanol: Rabbit: Slightly irritating (literature value), Based on available data, the classification criteria are not met.
Sensitisation	Methanol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406; (literature value)

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish (value)	Methanol: static test; Leuciscus idus; 48 h; LC50; > 100 mg/l; (literature value)
Toxicity to daphnia & other aquatic invertebrates	Methanol: static test; Daphnia magna (Water flea); 24 h; EC50; > 100 mg/l (literature value)
Toxicity to algae	Methanol: static test; Chlorella pyrenoidosa (aglae) Growth rate; 96 h; EC50; > 100 mg/l; OECD Test Guideline 201; (literature value)
Biodegradability	Methanol: aerobic; > 60 %; 5 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
Mobility in soil (literature value)	Methanol: Absorption / desorption Koc: 1 Not expected to adsorb on soil. Highly mobile in soils
Results of PBT and vPvB	Methanol: Based on available data, the classification criteria are not met assessment
Other adverse effects	Methanol: No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Product Dispose of in accordance with local regulations.

## SECTION 14: TRANSPORT INFORMATION

ADR  
 UN number: 1230  
 Class: 3, (6.1)  
 Packaging group: II; FT1;  
 Proper shipping name: METHANOL

RID  
 UN number: 1230  
 Class: 3, (6.1)  
 Packaging group: II; FT1  
 Proper shipping name: METHANOL

ADNR  
UN number: 1230  
Class: 3, (6.1)  
Packaging group: II; FT1  
Proper shipping name: METHANOL

IMDG  
UN number: 1230  
Class: 3, (6.1)  
EmS: F-E, S-D; MFAG: 19  
Packaging group: II  
Proper shipping name: METHANOL  
Marine pollutant: Not a Marine Pollutant

ICAO/IATA  
UN number : 1230  
Class: 3, (6.1)  
Packaging group: II  
Proper shipping name: METHANOL  
Transport in bulk according Methyl alcohol  
to Annex II of MARPOL Ship Type: 3  
73/78 and the IBC Code Pollution Category: Y

## **SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

### **USA TSCA Inventory**

All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

### **Canadian Domestic Substances List (DSL)**

All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)

### **Australian Inv. of Chem. Substances (AICS)**

All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)

### **New Zealand Inventory of Chemicals (NZIoC)**

All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)

### **Jap. Inv. of Exist. & New Chemicals (ENCS)**

All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)

### **Japan. Industrial Safety & Health Law (ISHL)**

All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)

### **Korea. Existing Chemicals Inventory (KECI)**

All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)

### Philippines Inventory of Chemicals and Chemical Substances (PICCS)

All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)

### China Inv. Existing Chemical Substances (IECSC)

All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

## SECTION 16: OTHER INFORMATION

Full text of indicated H phrases mentioned in section 3

Full text of H-Statements

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H370	Causes damage to organs.

### DISCLAIMER

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