

## **IGNITE E100 (VSR + RON+UPPER LUBE)**

### MATERIAL SAFETY DATA SHEET

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

##### **1.1 Product identifier**

Trade Name E100  
Synonyms Ethanol  
Product Code

##### **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

##### **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**

China. SAWS GHS classification list (SAWS No. 2015-80, August 19, 2015).  
Classification 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 classification list (SAWS No. 2015-80, August 19, 2015).

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

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.

#### Response

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.

#### Storage

P403 + P233 + P235:	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405:	Store locked up.

Disposal P501:	Dispose of contents/ container to an approved waste disposal plant.
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#### Other hazards

No data available.

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

### **3.1 Substances**

Ethanol	99%
Contents	99 %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, protective equipment and emergency procedures**

Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.

### **6.2 Environmental Precautions**

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

### **6.3 Methods and material for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste.

### **6.4 Reference to other sections**

Refer to Section 8 and 13

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Do not breathe vapours or spray mist. Wear personal protective equipment.

### **7.2 Advice on protection against fire and explosion**

Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.

### **7.3 Requirements for Storage areas and containers**

Keep containers tightly closed in a cool, well-ventilated place.

### **7.4 Advice on Common storage**

No data available.

### **7.5 Specific end use(s)**

No data available.

## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1 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 & body protection	Protective suit Safety shoes
Hygiene measures	Wash hands before breaks and immediately after handling the product.

## 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 decomposition products

Unknown.

## 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: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.

## **SECTION 13: TRANSPORT INFORMATION**

ADR

UN number: 1170  
Class: 3, (6.1)  
Packaging group: II; FT1;  
Proper shipping name: ETHANOL

to Annex II of MARPOL 73/78 and the IBC Code

Ship Type: 3  
Pollution Category: Y

## **SECTION 14: 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 15: 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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