

# Safety Data Sheet

## Fuel Pack

### 1: Identification of the material and supplier

#### Names

Product Name: Fuel Pack  
Other Name: Ethanol solution  
Supplier: Chemform Pty Ltd (ABN: 50 008 905 119)  
7 Kirke Street, Balcatta, WA 6021  
Phone (08) 9344 2455 Fax: (08) 9344 4360 Email: [admin@chemform.com.au](mailto:admin@chemform.com.au)  
Emergency Telephone: Poisons Information Centre (Australia) 13 1126  
Recommended Use: Heating gel

### 2: Hazardous Identification

**Statement of Hazardous Dangerous Nature:** Classified as hazardous according to the criteria of Safe Work Australia and classified as dangerous goods according to Australian Dangerous Goods Code.

**Hazard Classification:** F Flammable  
**Risk Phrase:** R11 Highly flammable  
**Safety Phrases:** S7 Keep containers tightly closed.  
S16 Keep away from sources of ignition – No Smoking

### 3: Composition/Information on Ingredients

INGREDIENT	CAS NUMBER	PROPORTION
Ethyl alcohol	64-17-2	> 60%

### 4: First Aid Measures

**Ingestion:** If swallowed, do NOT induce vomiting.  
**Eye:** If in eyes, hold eyelids apart and flush the eye continuously with running water.  
**Skin:** Remove contaminated clothing.  
**Inhaled:** Remove victim from exposure.  
**Long Term Effects:** None known.  
**Advice to Doctor:** Treat as for excess consumption of alcoholic drink.  
**First Aid Facilities:** Eye wash station

### 5: Fire Fighting Measures

**General Comment:** The product is highly flammable.  
**Extinguishing Media:** Dry chemical, carbon dioxide, water spray or fog.  
**Hazards from Combustion Products:** Carbon monoxide and/or Carbon dioxide may be evolved.  
**Hazchem Code:** 2 Y E

## 6: Accidental Release Measures

**Personal Precautions:** Keep unnecessary personnel away. Wear protective eyewear, gloves, overalls, and chemical resistant safety boots.

**Spills and Disposal:** Prevent the spill from entering the environment. Sweep up and place in suitably labeled containers for disposal.

## 7: Handling and Storage

**Handling:** Highly flammable product.

**Storage:** Always replace lid on container after use. Store away from ignition sources in a cool well ventilated area below 25°C

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling the product, before eating, smoking and using the lavatory.

## 8: Exposure Controls – Personal Protection

**National Exposure Standards** TWA of 1880 mg/m<sup>3</sup> as ethanol

**Engineering Controls:** Avoid generating mists. Keep containers tightly closed when not in use.

**Eyes:** Safety glasses

**Hands:** Gloves

**Skin:** Gloves

## 9: Physical and Chemical Properties

**Appearance:** Blue gel  
**Odour:** Alcoholic  
**pH (Undiluted):** 7.0  
**Vapour Pressure:** 44 mm of mercury at 20°C  
**Vapour Density:** 1.6 at 15° (air=1)  
**Boiling Point:** 78°C  
**Melting Point:**  
**Solubility:** Totally soluble  
**Specific Gravity:** 0.8  
**Flash Point:** 13°C (Abel)  
**Flammability Limits:** Upper value 19.0%; lower value 3.5%

## 10: Stability and Reactivity

<b>Chemical Stability:</b>	The product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Heat, sparks, open flames, smoking and static discharge.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Reaction:</b>	Burning can produce carbon monoxide and/or carbon dioxide.

## 11: Toxicological Information

<b>Ingestion (acute):</b>	Swallowing can cause drunkenness or harmful central nervous system effects.
<b>Eyes (acute):</b>	Irritating.
<b>Skin (acute):</b>	Mild irritant. Prolonged contact may lead to dermatitis.
<b>Inhalation (acute):</b>	Irritation to respiratory system and drunkenness.
<b>Chronic Effects:</b>	Long term exposure by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys and heart.

## 12: Ecological Information

**Environmental Protection** This substance may be hazardous to the environment.

Fuel Pack is detergent free, phosphate free, chlorine free, uses recyclable waste reduced packaging.

Refer to the Environmental Guide section of our website [www.chemform.com.au](http://www.chemform.com.au) for more information.

## 13: Disposal Considerations

**Disposal Methods:** Disposal of this product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities.

## 14: Transport Information

<b>UN Number:</b>	1170
<b>UN Proper Shipping Name:</b>	Ethanol solution
<b>Class:</b>	3
<b>Subsidiary Risk:</b>	None allocated
<b>Packing Group:</b>	II
<b>Special Precautions For users:</b>	Keep containers tightly closed and away from all ignition sources.
<b>Hazchem Code:</b>	2 Y E

## 15: Regulatory Information

**Packaging & Labeling:** This product contains a Scheduled Poison (S5) and must be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## 16: Other Information

**Prepared By:** Brett Amos

**Date of Previous Issue:** February 2006

**Change Made:** Full review

**References:** Australian Dangerous Goods Code  
List of Designated Hazardous Substances  
National Code of Practice for the Preparation of Material Safety Data Sheets  
Standard for the Union Scheduling of Drugs and Poisons

**Contact Person/Point:** Australia:  
24 HOUR EMERGENCY CONTACT  
Poisons Information Centre (Australia) 13 1126

### **LEGAL DISCLAIMER:**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

**END OF SAFETY DATA SHEET**