



# ALCOTANE GREEN LABEL E85

# MATERIAL SAFETY DATA SHEET

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## Section 1 - Product and Company Identification

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**PRODUCT NAME:** Alcotane Green Label E85

**OTHER NAMES:** E85 "Ethanol and Petrol Mixture" "Alcohol and Petrol Mixture"

**STATEMENT OF HAZARDOUS NATURE**

Considered a Hazardous Substance according to New Zealand Hazardous Substances New Organisms (HSNO) legislation.

**PROPER SHIPPING NAME:** Alcohol and Petrol Mixture

**PRODUCT USE:** Race Fuel

**SUPPLIER:** Company: Race Proof Limited

**Address:** Unit 7, 5 Western Hutt Road

Telephone: +64 4 5666881  
Emergency Tel: 0800 722 338  
Emergency Tel: 0800 RACE FUEL  
Fax: 0800 #####

Petone  
Lower Hutt  
Wellington

**Postal:** PO Box 13668  
Johnsonville  
6440

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## Section 2 – Physical Description/Properties

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**APPEARANCE:** Clear colourless liquid with characteristic odour.

### PHISICAL PROPERTIES

Melting Range		Vapour Pressure (@20°C)	
Solubility in Water	60-70g/100ml	Evaporation Rate (BuAc = 1)	1-1.7
Volatile Component	100%	Flash Point	15 - 29°C
Relative Vapour Density (air = 1)	2.0 - 4.0	Upper Explosive Limit	19%
Boiling Range	50 - 80°C	Lower Explosive Limit	1.4%
Specific Gravity (water = 1)	0.76 - 0.79	Autoignition Temperature	<380°C

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## Section 3 - Composition and Ingredients

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Ingredient	Cas Number	Approximate Percentage
Ethanol	64-17-5	84
Gasoline, low boiling point Naptha	86290-81-5	15
Methanol	61-56-1	1



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## Section 4 – Hazards

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### Preventative Statements

Keep away from heat, sparks, open flames and hot surfaces. – No smoking.  
Keep container tightly closed when not in use.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical, ventilating and lighting equipment.  
Use only non-sparking tools.  
Take Precautionary measures against static discharge.  
Wear protective gloves and clothing, eye protection and face protection.

### Response Statements

If on skin or hair: remove contaminated clothing immediately. Rinse skin with water.  
If in eyes: Rinse with water.

### Storage

Store in cool, dry, well ventilated area.

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## Section 5 – First Aid Measures

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### EYE

- Rinse eye immediately and thoroughly with fresh running water for several minutes.
- If eye irritation persists, seek medical advice.
- Remove contact lenses, if present and easy to do so. Continue rinsing.

### SKIN/HAIR

- Remove contaminated clothing.
- Rinse skin/ hair with fresh running water.
- Use soap if available.
- If skin irritation persists, seek medical advice.

### SWALLOWED

- DO NOT induce vomiting.
- If vomiting occurs, place patient in recovery position or in forward leaning position to ensure airway remains open and clear.
- Dilute by giving one glass of water to drink.
- Seek medical advice or contact the Poisons Information Centre on 0800 Poison (764 766) IMMEDIATELY.

### INHALATION

- Remove patient from contaminated area.
  - Provide fresh air
  - Keep patient at rest in a position comfortable for breathing.
  - Keep patient warm and comfortable.
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## Section 6 – Fire Fighting Measures

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### EXTINGUISHING MEDIA

- Foam
- Dry chemical powder
- Carbon dioxide (CO<sub>2</sub>)

### FIRE FIGHTING

- Alert Fire Brigade, advise location and nature of hazard
- For incidents involving large volumes, evacuation to a distance of 500 meters should be considered.

### FIRE/EXPLOSION HAZARD

- Liquid and Vapour are highly flammable
- Severe fire hazard when exposed to heat, flame and/or oxidizers

### SPECIAL FIREFIGHTING INFORMATION

- Ignition may occur when contaminated with oxidizing agents.
- Vapours may travel long distances



## Section 7 – Accidental Spill Measures

### MINOR SPILLS

- Remove all ignition sources
- Clean up spill immediately

### MAJOR SPILLS

- Evacuate all persons to an area upwind of the spill
- Alert Fire Brigade, advise location and nature of hazard

## Section 8 – Handling and Storage

### HANDLING PROCEDURES

- Containers may contain explosive vapours, even if emptied.
- DO NOT perform cutting, drilling, welding or grinding activities on or around containers.
- Avoid personal contact including inhalation
- When at risk of exposure, wear protective clothing.

### SUITABLE CONTAINERS

- Packaging supplied by the manufacturer
- Plastic containers approved for flammable liquids.

### STORAGE REQUIREMENTS

- Store in original containers in an approved flame-proof area
- Keep away from naked flames, heat or ignition sources. NO SMOKING.
- Store between 1°C and 40°C

### STORAGE INCOMPATIBILITY

- Avoid acids, bases and oxidisers.
- DO NOT store in aluminium containers.

## Section 9 - Exposure Limits and Personal Protection

### EXPOSURE LIMITS

Chemical	TWA - ppm	TWA – mg/m <sup>3</sup> ©
Ethanol (ethyl alcohol)	1000	1880
Methanol (methyl alcohol)	200	262
Fuel Benzene	5.0	16
Gasoline, low boiling point Naptha	300	N/A

### PERSONAL PROTECTION

#### Eye Protection

- Safety glasses with side protection
- Chemical Goggles

#### Hands/Feet Protection

- Wear chemical protective gloves
- Wear safety footwear

#### Breathing Protection

- Respirator
- Type A filter

#### Other Protective Items

- Overalls
- PVC Apron

## Section 10 - Toxicological Information

POTENTIAL ACUTE HEALTH EFFECTS	POTENTIAL CHRONIC HEALTH EFFECTS
<ul style="list-style-type: none"> <li>○ Vapours may cause dizziness or suffocation</li> <li>○ Inhalation and/or ingestion may produce health damage</li> <li>○ May produce discomfort of the eyes and respiratory tract</li> <li>○ Vapours may cause drowsiness and dizziness</li> </ul>	<ul style="list-style-type: none"> <li>○ Cumulative effects may result following exposure</li> </ul>

### TOXICITY AND IRRITATION

- May produce severe irritation to the eye leading to pronounced inflammation. Repeated or prolonged exposure may produce conjunctivitis.
- May cause skin irritation in cases of prolonged or repeated exposure and may produce a contact dermatitis; often characterised by skin redness and swelling of the epidermis.