

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 13.08.2013

Revision: 13.08.2013

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name: PROPOWER IPA SOLVENT**

**Recommended Use of the Chemical and Restriction on Use:** Cleaner

**Details of Manufacturer or Importer:**

Element 14 Pty Ltd  
72 Ferndell Street  
Chester Hill NSW 2162

**Phone Number:** 02 9644 7722

**Emergency telephone number:** 13 11 26

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

**Label Elements**

**Signal Word** Danger

**Hazard Statements**

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

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**Additional Information**

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

### 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures****Hazardous Components:**

67-63-0	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	60-100%
124-38-9	carbon dioxide ⚠ Press. Gas, H280	1-5%

### 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention.

### 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Foam, carbon dioxide or dry chemical.

**Specific Hazards Arising from the Chemical:**

Aerosols may explode if heated above 50 °C.  
Forms hazardous decomposition products: oxides of carbon.

**Special Protective Equipment and Precautions for Fire Fighters:**

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

### 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

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### 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight, heat, sparks, open flames and hot surfaces. Pressurized container: Do not expose to temperatures exceeding 50 °C. Keep away from strong oxidising agents. Store locked up.

### 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards (Safe Work Australia):****67-63-0 propan-2-ol**

NES	Short-term value: 1230 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 983 mg/m <sup>3</sup> , 400 ppm

**124-38-9 carbon dioxide**

NES	Short-term value: 54000 mg/m <sup>3</sup> , 30000 ppm
	Long-term value: 9000 mg/m <sup>3</sup> , 5000 ppm

**Engineering Contols:**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the limits.

**Personal Protective Equipment (PPE):****Respiratory Protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Nitrile gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

**Eye and Face Protection:**

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

### 9 . PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

<b>Form:</b>	Aerosol - liquid under pressure.
<b>Colour:</b>	Colourless
<b>Odour:</b>	Alcohol-like
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	Not determined.
	Not applicable
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	82 °C
<b>Flash Point:</b>	12 °C (Open cup)
<b>Flammability:</b>	Extremely flammable
<b>Auto-ignition Temperature:</b>	460 °C
<b>Decomposition Temperature:</b>	No information available

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**Explosion Limits:**

<b>Lower:</b>	1.8 Vol %
<b>Upper:</b>	12 Vol %
<b>Vapour Pressure at 20 °C:</b>	4.16 kPa
<b>Relative Density at 20 °C:</b>	0.785 g/cm <sup>3</sup>
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Completely soluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Overheating.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:**  
No hazardous decomposition products known.  
Oxides of carbon.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****67-63-0 propan-2-ol**

Oral	LD <sub>50</sub>	5045 mg/kg (rat)
Dermal	LD <sub>50</sub>	12800 mg/kg (rabbit)
Inhalation	LC <sub>50</sub> /4 h	30 mg/l (rat)

**Acute Health Effects**

**Inhalation:** Excessive inhalation of solvent vapours may cause nausea, headaches and dizziness

**Skin:** May cause skin irritation with redness and pain.

**Eye:** May cause eye irritation with redness and pain.

**Ingestion:**

May cause gastrointestinal disturbances. The symptoms include sore throat, abdominal pain, nausea and vomiting

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** No sensitising effects known.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:**

Isopropyl alcohol is classified by IARC as a Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause drowsiness and dizziness.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

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**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

<b>UN Number</b>	UN1950
<b>ADG, IMDG, IATA</b>	
<b>Proper Shipping Name</b>	AEROSOLS, flammable
<b>ADG, IMDG, IATA</b>	
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	2.1 (5F)
<b>IMDG Class:</b>	2.1
<b>Packing Group:</b>	
<b>ADG, IMDG, IATA</b>	Not applicable
<b>Marine pollutant:</b>	No
<b>EMS Number:</b>	F-D,S-U
<b>Hazchem Code:</b>	2YE
<b>Special Provisions:</b>	63, 190, 277, 327
<b>Limited Quantities:</b>	See SP 277
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P003, LP02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	PP17, PP87, L2
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	Not applicable
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	Not applicable

## 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

67-63-0 | propan-2-ol

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124-38-9 carbon dioxide

## 16 . OTHER INFORMATION

**Creation Date:** 13.08.2013**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

**Disclaimer**

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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