



## Material Safety Data Sheet

Hazardous According To The Criteria Of NOHSC

### 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<u>Product Name:</u>	<b>De-Icer</b>
<u>Other Name:</u>	None
<u>Manufacturer's Product Code:</u>	
<u>Recommended Use:</u>	Aerosol De-Icer
<u>Supplier Name:</u>	AUTOSMART AUSTRALIA
<u>Supplier Address:</u>	AUTOSMART AUSTRALIA 11 DARRAMBAL CLOSE RATHMINES NSW 2283 <a href="http://www.autosmartaustralia.com.au">www.autosmartaustralia.com.au</a> <a href="http://www.autosmartinternational.com">www.autosmartinternational.com</a> <a href="mailto:autosmart@autosmartaustralia.com.au">autosmart@autosmartaustralia.com.au</a>
<u>Telephone No.:</u>	02 49 75 14 88 (Mon to Fri, 08:00 – 16:00 AEST) (General Information. Transport Information. Mild medical Information)
<u>Emergency No.:</u>	0011 44 7808 971 321 (24 Hrs) (Autosmart International) 13 11 26 (24 Hours) Poison Information Centre Australia

### 2 HAZARDS IDENTIFICATION

<u>HAZARD DESIGNATION:</u>	Hazardous According To The Criteria Of NOHSC
<u>Hazard Category:</u>	F+ - EXTREMELEY FLAMMABLE Xi - IRRITANT
RISK PHRASES:	R12 Extremely Flammable R-36 Irritating to eyes. R-67 Vapours may cause drowsiness and dizziness.
SAFETY PHRASE:	S2 keep out of reach of children S9 Keep container in a well ventilated place. S16 Keep away from sources of ignition - No Smoking. S23 Do not breathe vapour S24/25 Avoid contact with skin and eyes S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S51 Use only in well ventilated areas S62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label.

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 onto naked flame or any incandescent material.

**ADG CLASSIFICATION:** CLASS 2.1 “dangerous goods” for transport by road or rail according to the Australian Code for the Transport of Dangerous Good by Road and Rail.

**SUSDP CLASSIFICATION:** Schedule 5 (Standard for the Uniform Scheduling of Drugs and Poisons)

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER:	PROPORTION (% W/W)
Propan-2-ol	67-63-0	10-30 %
Ethenediol	107-21-1	10-30%
Butane	106-97-8	10-30 %
Propane	74-98-6	5-10%
Other ingredients determined not to be hazardous		To 100%

### 4 FIRST AID MEASURES

**IF POISONING OCCURS, IMMEDIATELY CONTACT A DOCTOR OR POISONS INFORMATION CENTRE (TELEPHONE 13 11 26), AND FOLLOW THE ADVICE GIVEN. SHOW THIS MATERIAL SAFETY DATA SHEET TO A DOCTOR.**

**Inhalation:** Remove person to fresh air. Keep at rest. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing has stopped, apply artificial respiration immediately. Seek medical advice.

**Skin Contact:** Remove all contaminated clothing. Wash the skin with plenty of water. Seek medical attention if discomfort continues. Launder clothing before re-use.

**Eye contact:** Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek immediate medical advice.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek immediate medical advice.

**First Aid Facilities:** Provide an eyewash station in the workplace.

**Symptoms:** Not available

**Medical attention:**

### 5 FIRE FIGHTING MEASURES

**Extinguishing media:** Foam, dry chemical or water spray. Do not use a water jet from a fire hose.

**Hazards from combustion products:** No data available.

**Precautions for fire fighters:** **Extinguish all sources of ignition.** This product is a combustible liquid. Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment. Keep intact containers cool by spraying with water.  
Aerosol cans may explode in fires.

**ADDITIONAL INFORMATION:**

HAZCHEM CODE: 2Y

**6 ACCIDENTAL RELEASE MEASURES**

Wear suitable protective clothing and boots. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Prevent spill from entering drains, sewers or any body of water. Contain and absorb with sand, earth or inert absorbent. Scoop or shovel into sealable containers for disposal in accordance with applicable local, state and federal regulations.

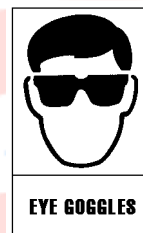
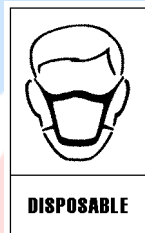
Spillage's May Be Slippery.

**7 HANDLING AND STORAGE****Handling:**

Keep away from heat, sparks, open flame and other sources of ignition. Keep out of reach of children. Avoid contact with skin and eyes and do not inhale spray mist. Use only in a well-ventilated area. Keep away from heat, sparks and open flames. Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment. Use proper grounding procedures.

**Storage:**

Aerosol cans must not be exposed to direct sunlight or temperatures above 50°C. Keep away from heat, sparks and open flame. Keep in cool, dry, ventilated storage and closed containers.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Standards:**

PROPAN-2-OL 67-63-0 LTEL 400 ppm STEL 500 ppm  
 ETHANEDIOL 107-21-1 LTEL 52 mg/m3(Sk) STEL 104 mg/m3(Sk)  
 Butane LTEL 600ppm STEL 750ppm  
 Propane LTEL Asphyxiating STEL Asphyxiating

**Engineering Controls:**

Ensure adequate ventilation. Keep container closed when not in use. No specific ventilation requirements noted, except this product must not be used in confined spaces without good ventilation.

**Personal Protective Equipment:****EYES:**

Spray away from the face. Avoid contact with eyes. Wear chemical resistant goggles.

**CLOTHING:**

Wear protective clothing.

**GLOVES:**

Avoid contact with skin. Use protective gloves made of: Polyvinyl chloride (PVC).

**RESPIRATORY:**

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with: Gas cartridge (organic substances).

**OTHER:**

Do not eat, drink or smoke until after washing. Wash thoroughly after handling. After each day's use wash gloves, goggles and contaminated clothing.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear blue liquid
<b>Odour:</b>	Solvent
<b>Vapour Pressure:</b>	Not available.
<b>Vapour Density:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Freezing/melting point:</b>	Not available
<b>Solubility:</b>	Soluble in Hydrocarbon solvent
<b>Density:</b>	Not applicable
<b>pH Neat:</b>	Not relevant
<b>Flashpoint:</b>	Approx -2°C
<b>Flammability (explosive) limits:</b>	
<b>Auto-ignition temperature:</b>	
<b>Percent volatiles:</b>	
<b>Octanol/water partition coefficient:</b>	Not available
<b>Formulation:</b>	Solvent de-icer

**10 STABILITY AND REACTIVITY**

<b>Chemical stability:</b>	Normally stable
<b>Hazardous polymerisation:</b>	Not available
<b>Conditions to avoid:</b>	Avoid heat, sparks, flames, sources of ignition, shocks and physical damage.
<b>Incompatible materials:</b>	Incompatible with strong oxidising agents
<b>Hazardous decomposition products:</b>	Carbon Monoxide, Carbon Dioxide
<b>Hazardous reactions:</b>	Not available

**11 TOXICOLOGICAL INFORMATION**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation:**

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, Nausea, drowsiness, dizziness and vomiting.

**Skin contact:**

May cause defatting to the skin. The material should not be allowed to come into contact with the skin.

**Eye contact:**

Irritant to the eyes. The material should not be allowed to contact the eyes. Will cause irritation and redness.

**Ingestion:**

May cause discomfort if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

**Other:** None ANIMAL TOXICITY DATA – PRODUCT: No data available for the product. ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

**Acute: Oral toxicity:** LD50 rat: Not available

**Dermal toxicity:** LD50 rabbit: not available

**Inhalation toxicity:** Not available

**Skin irritation:** Mild irritant

**Eye irritation:** Irritant

**Sensitisation:** Not available

**Chronic:**

**12 ECOLOGICAL INFORMATION**

<b>Fish toxicity:</b>	Data not available
<b>Daphnia toxicity:</b>	Data not available
<b>Toxicity to algae:</b>	Data not available
<b>Bird toxicity:</b>	Data not available
<b>Bee toxicity:</b>	Data not available
<b>Other:</b>	NO data available

**Environmental fate, persistence and degradation:**

Avoid release to the environment.

**13 DISPOSAL CONSIDERATIONS**

Do not discharge into drains. Do not incinerate. Dispose of waste material via a licensed waste disposal contractor. Empty container MUST not be burned because of explosion hazard. Do NOT puncture even when empty.

**14 TRANSPORT INFORMATION**

<b>UN number:</b>	1950
<b>Proper shipping name:</b>	AEROSOL
<b>Class and Subsidiary Risk:</b>	<b>CLASS 2.1</b> "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. C
<b>Packing Group:</b>	Not applicable
<b>EPG:</b>	Not applicable
<b>Hazchem code:</b>	2(Y)

**15 REGULATORY INFORMATION**

Allocated Poison schedule number 5.

**16 OTHER INFORMATION**

**Preparation information:** Only trained personnel should use this material.

**MSDS Issue**

Issue	No.3
Prepared:	01/09/2013
Next review date:	01/09/2018
Reason for Update	Review & update

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**Data Sources and References:**

National Code of Practice for the preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011 (2003)].

Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) No 23

National code of practice for the storage and handling of Workplace Dangerous Goods [NOHS:2017 (2001)]

National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHS:21003 (1995)]

**Disclaimer:**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

END OF MSDS