



Material Safety Data Sheet

Hazardous According To The Criteria Of NOHSC

1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<u>Product Name:</u>	Clear View
<u>Other Name:</u>	None
<u>Manufacturer's Product Code:</u>	
<u>Recommended Use:</u>	Windscreen wash bottle additive in diluted form. Can be used as a De-Icer, apply using a sprayer
<u>Supplier Name:</u>	AUTOSMART AUSTRALIA
<u>Supplier Address:</u>	AUTOSMART AUSTRALIA 11 DARRAMBAL CLOSE RATHMINES NSW 2283 www.autosmartaustralia.com.au www.autosmartinternational.com autosmart@autosmartaustralia.com.au
<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

HAZARD DESIGNATION: Hazardous According To The Criteria Of NOHSC

Hazard Category:	Xn - Harmful FLAMMABLE
Risk Phrases:	
R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed
Safety Phrases:	
S1/2	Keep locked up and out of the reach of children.
S23	Do not breathe vapour/spray.
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.
S36/37	Wear suitable protective clothing and gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S51	use only in well-ventilated areas

S62

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

ADG CLASSIFICATION:

CLASS 3 and 6 (Flammable and Toxic) “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:

S6 – Poison

3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER:	PROPORTION (% W/W)
Ethenediol	107-21-1	5-10%
Methanol	67-56-1	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 – avoid becoming a casualty. Rinse nose and mouth. Seek medical attention.

Skin Contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Seek medical attention. Launder clothing before re-use.

Eye contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or a doctor, or for at least 15 minutes.

Ingestion:

If swallowed, do NOT induce vomiting. Rinse mouth. Seek immediate medical advice.

First Aid Facilities:

Provide an eyewash station in the workplace.

Symptoms:

No data available

Medical attention:

No data available

5 FIRE FIGHTING MEASURES**Extinguishing media**

Carbon dioxide, Dry chemical, Foam

Hazards from combustion products

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide. The packaging material may burn to emit noxious fumes.

Precautions for fire fighters

Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment. Keep intact containers cool with water spray.

ADDITIONAL INFORMATION:**HAZCHEM CODE:**

3W

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection, see section 8

Environmental precautions

Do not discharge onto the ground or into water courses. To prevent release, place container with damaged side up.

Spill clean up methods

Wear necessary protective equipment. Stop leak if possible without risk. Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose in accordance with applicable local, state and federal regulations. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Flush to sewer if local regulations permit.

7 HANDLING AND STORAGE

Handling:

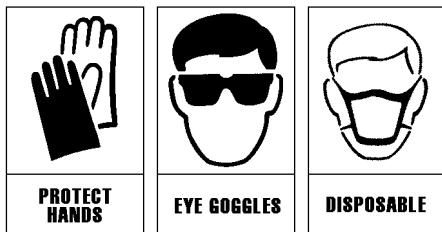
Keep out of reach of children. Avoid contact with skin and eyes and do not inhale spray mist. Use only in a well-ventilated area. Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment

Storage:

Store product in the closed, original container in a cool, well-ventilated area away from direct sunlight. Check regularly for leaks or spills

This material is a Scheduled poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION



Exposure Standards:

Name	Std	TWA - 8 hrs	STEL - 15 min
ETHANEDIOL	WEL	52 mg/m3(Sk)	104 mg/m3(Sk)
METHANOL	WEL	200 ppm(Sk) 266 mg/m3(Sk)	250 ppm(Sk) 333 mg/m3(Sk)

SK – Skin

WEL – Workplace Exposure Limits

T.W.A – The time-weighted average airborne concentration over an eight-hour working day, for five-day working week over an entire working life

S.T.E.L. (Short term Exposure Limit) – the average airborne concentration over a fifteen minute period which should not be exceeded at any time during a normal eight hour working day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers

Engineering Controls:

Ensure adequate ventilation. Keep container closed when not in use.

Personal Protective Equipment:**EYES:**

Avoid contact with eyes. Wear chemical/acid resistant safety goggles or face visor.

CLOTHING:

Wear suitable protective clothing (chemical/acid resistant gloves and boots). Protective clothing must be stored separately from private clothing

GLOVES:

Avoid contact with skin. Use protective gloves made of: Polyvinylidene chloride/Polyethylene (PVD/PE). Butyl rubber. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

RESPIRATORY:

If ventilation is insufficient, wear an approved respirator with filter suitable for organic solvents.

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

Appearance:	Blue liquid
Odour:	Characteristic
Vapour Pressure:	Not available
Vapour Density:	Not available
Boiling Point:	Not available
Freezing/melting point:	Not available
Solubility:	Soluble in Water.
Density:	1.000@ 20 °C
pH Neat:	Not relevant
Flashpoint:	55 °C
Flammability (explosive) limits:	Not available
Auto-ignition temperature:	Not available
VOC:	9%
Octanol/water partition coefficient:	Not available
Formulation:	Alcohol screenwash concentrate.

10 STABILITY AND REACTIVITY

Chemical stability:	Stable under normal temperature conditions and recommended use.
Hazardous polymerisation:	Will not occur
Conditions to avoid:	Heat, direct sunlight, open flames, ignition sources
Incompatible materials:	Incompatible with strong oxidising agents
Hazardous decomposition products:	Carbon Monoxide
Hazardous reactions:	Not available

11 TOXICOLOGICAL INFORMATION

Inhalation:

Harmful by inhalation. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

Skin contact:

Harmful in contact with skin. Irritating to skin. May be absorbed through the skin.

Eye contact:

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

Ingestion:

Harmful if swallowed. May cause unconsciousness, blindness and possibly death. May cause nausea, headache, dizziness and intoxication.

Other:**Chronic:**

TOXICITY DATA – PRODUCT: No data available for the product.
Long term exposure by swallowing or repeated inhalation may cause degenerative changes in the liver, kidney, gastrointestinal tract and heart muscle.

TOXICITY DATA – INDIVIDUAL INGREDIENTS:

Ethanediol:**Acute:**

Oral: LD50 rat: 6000 mg/kg
Dermal: No data available
Inhalation: No data available
Skin irritation: No data available
Eye irritation: No data available
Sensitisation: No data available

Methanol:**Acute:**

Oral: No data available
Oral: No data available
Dermal: No data available
Inhalation: No data available
Skin irritation: No data available
Eye irritation: No data available
Sensitisation: No data available

12 ECOLOGICAL INFORMATION

Fish toxicity:	Data not available
Daphnia toxicity:	Data not available
Toxicity to algae:	Data not available
Bird toxicity:	Data not available
Bee toxicity:	Data not available
Other:	Data not available

Environmental fate, persistence and degradation:

do not allow product to enter storm drains, sewers, waterways, or ground water.

13 DISPOSAL CONSIDERATIONS

Do not discharge into storm drains.

Dispose of unused waste material via a licensed waste disposal contractor following local government authority requirements.

Wash out container and consider recycling where facilities exist

14 TRANSPORT INFORMATION

UN number: UN 1986
Proper shipping name: ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (METHANOL)
Class and Subsidiary Risk: **CLASS 3, Subsidiary Hazard 6.1 (Flammable and Toxic)**
 “dangerous goods” for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Packing Group: III
EPG: Not applicable
Hazchem code: 3W

15 REGULATORY INFORMATION

Allocated Poison schedule number 6.

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 2nd 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