



MATERIAL SAFETY DATA SHEET
Glow

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Glow
Product No. Aus

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Car maintenance product. - Dressing
Uses Advised Against For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

1.3. Details of the supplier of the safety data sheet

Supplier Autosmart Australia
11 Darrambal Close
Rathmines
NSW 2283
Australia
www.autosmartinternational.com
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST) (General Information. Transport Information. Mild Medical Information)
autosmart@autosmartaustralia.com.au
Contact Person Mr. Russell Butler

1.4. Emergency telephone number

Emergency No: +44 7808 971321 (24hrs) (Autosmart International, UK)
General Information. Transport Information. Mild medical Information:-
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

SECTION 2: HAZARDS IDENTIFICATION

Risk Phrases

NC Not classified.

Safety Phrases

P13 Safety data sheet available for professional user on request.
S25 Avoid contact with eyes.

2.1. Classification of the substance or mixture

Human health

Splashes in the eyes may cause redness and irritation.

Physical and Chemical Hazards

Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

2.2. Label elements

Risk Phrases

NC Not classified.

Safety Phrases

P13 Safety data sheet available for professional user on request.
S25 Avoid contact with eyes.

2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

Statement Of Hazardous Nature

NON-HAZARDOUS SUBSTANCE (According to criteria of NOHSC). NON-DANGEROUS GOODS (According to ADG Code).

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ADR Class

Not classified for transportation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Glycerine			15-20%
CAS-No.: 56-81-5	EC No.: 200-289-5		Registration Number: -
Classification (EC 1272/2008) Not classified.		Classification (67/548) Not classified.	
C9-C11 Alcohol ethoxylate (6)			2-5%
CAS-No.: 68439-46-3	EC No.:		Registration Number: Polymer
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318		Classification (67/548) Xn;R22. Xi;R41.	
DIETHANOLAMINE			0.5-0.7%
CAS-No.: 111-42-2	EC No.: 203-868-0		
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373		Classification (67/548) Xn;R22,R48/22 Xi;R38,R41	

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16.

SECTION 4: FIRST AID MEASURES**Susdp First Aid Instructions**

First Aid is not generally required. If in doubt, contact a Poisons Information Centre (Phone 13 1126) or a doctor.

4.1. Description of first aid measures**Inhalation**

Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

Skin contact

Rinse with water. Get medical attention if any discomfort continues.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues. Make sure to remove any contact lenses from the eyes before rinsing.

4.2. Most important symptoms and effects, both acute and delayed**Inhalation**

Irritation of nose, throat and airway.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

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No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media****Extinguishing media**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture**Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

Specific hazards

Oxides of: Carbon. Nitrogen.

5.3. Advice for firefighters**Special Fire Fighting Procedures**

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

For personal protection, see section 8.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Chemical storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DIETHANOLAMINE	NOHSC	3 ppm	13 mg/m ³			
Glycerine	NOHSC		10 mg/m ³			

NOHSC = The National Occupational Health and Safety Commission.

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C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)**Ingredient Comments**

No exposure limits noted for ingredient(s).

8.2. Exposure controls**Protective equipment****Process Conditions**

Provide eyewash station.

Engineering measures

No particular ventilation requirements. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. In case of inadequate ventilation use suitable respirator. Use respiratory equipment with gas filter, type A2.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Provide eyewash station.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Emulsion.
Colour	Milky. White.
Odour	Pleasant, agreeable.
Solubility	Miscible with water
Boiling Point (°C)	> 100 760 mm Hg
Melting point (°C)	< 0
Relative density	~1.005 (20°C)
Vapour pressure	Not applicable.
Evaporation rate	Not available.
pH-Value, Conc. Solution	~ 7.0
Viscosity	Not available.
Decomposition temperature (°C)	Not available.
Odour Threshold, Lower	Not available.
Odour Threshold, Upper	Not available.
Flash point (°C)	Not applicable.
Auto Ignition Temperature (°C)	Not applicable.
Flammability Limit - Lower(%)	Not applicable.

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Flammability Limit - Upper(%)

Not applicable.

**Partition Coefficient
(N-Octanol/Water)**

Not available.

Oxidising properties

Not applicable.

Other Information

Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information

Volatile Organic Compound (VOC) ~ 10 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions**Hazardous Polymerisation**

Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials**Materials To Avoid**

Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects**Other Health Effects**

This substance has no evidence of carcinogenic properties. Consolidated carcinogen list. OSHA Not Regulated. IARC Not Listed. NTP Not Listed.

Skin Corrosion/Irritation**Human Skin Model Test**

Scientifically unjustified.

Extreme pH

Moderate pH (> 2 and < 11.5)

Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve. Irritating.

Inhalation

No specific health warnings noted.

Ingestion

May cause discomfort if swallowed.

Skin contact

Repeated exposure may cause skin dryness or cracking. Not a skin sensitiser.

Eye contact

Spray and vapour in the eyes may cause irritation and smarting.

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Health Warnings

Because of quantity and composition, the health hazard is small. Serious long-term effects are not known to be related to this type of product.

Route of entry

Skin and/or eye contact.

Medical Symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Toxicological Information on Ingredients:

Glycerine (CAS: 56-81-5)

Other Health Effects

This substance has no evidence of carcinogenic properties.

Acute toxicity:

Acute Toxicity (Oral LD50)

~ 12600 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 10000 mg/kg Rabbit

Aspiration Hazard

Target Organs

No specific target organs noted

C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)

Toxic Dose 1 - LD 50

2000 mg/kg (oral rat)

Toxic Conc. - LC 50

5 mg/l/4h (inh-rat)

Other Health Effects

This substance has no evidence of carcinogenic properties.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product does not contain organically bound halogen. The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days.

Ecological Information on Ingredients:

Glycerine (CAS: 56-81-5)

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

Acute Toxicity - Fish

Not determined.

Acute Toxicity Aquatic Invertebrates

Not determined.

Acute Toxicity - Aquatic Plants

Not determined.

Acute Toxicity - Microorganisms

Not determined.

Acute Toxicity - Terrestrial

Not determined.

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Ecological Information on Ingredients:**Glycerine (CAS: 56-81-5)****Acute Toxicity - Fish**

LC50 96 hours ~ 54000 mg/l Onchorhynchus mykiss (Rainbow trout)

Acute Toxicity Aquatic Invertebrates

EC50 > 10000 mg/l Daphnia magna

Acute Toxicity - Microorganisms

48 hours > 1000 mg/l Activated Sludge

C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)

LC 50, 96 Hrs, Fish mg/l

10

EC 50, 48 Hrs, Daphnia, mg/l

10

IC 50, 72 Hrs, Algae, mg/l

10

12.2. Persistence and degradability**Degradability**

The product is expected to be biodegradable.

Ecological Information on Ingredients:**Glycerine (CAS: 56-81-5)****Degradability**

The product is biodegradable.

C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)**Degradability**

The product is biodegradable. This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential**Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

Not available.

Ecological Information on Ingredients:**Glycerine (CAS: 56-81-5)****Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

1.76/2.6

C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)**Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil**Mobility:**

The product is miscible with water. May spread in water systems.

Ecological Information on Ingredients:**Glycerine (CAS: 56-81-5)****Mobility:**

The product is soluble in water.

C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)**Mobility:**

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

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This product does not contain any PBT or vPvB Substances.

Ecological Information on Ingredients:

C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

The packaging must be empty (drop-free, when inverted).

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADG).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

ADR Class

Not classified for transportation.

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

Poisons Schedule Number

No Poison Schedule Number Allocated

National Regulations And References

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). National Code of Practice for the Preparation of Material Safety Data Sheets. Approved Criteria for Classifying Hazardous Substances. Exposure Standards for Atmospheric Contaminants in the Occupational Environment. Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment. National Code of Practice for the Labelling of Workplace Substances. National Model Regulations for the Control of Workplace Hazardous Substances. National Standard for the Storage and Handling of Workplace Dangerous Goods. National Code of Practice for the Storage and Handling of Workplace Dangerous Goods. Guidance Note for Placarding Stores for Dangerous Goods and Specified Hazardous Substances. Guidance Note for the Assessment of Health Risks Arising from Hazardous Substances in the Workplace. National Standard for the Control of Major Hazard Facilities. National Code of Practice for the Control of Major Hazard Facilities.

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**EU Legislation**

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Health And Environmental Listings

Regulation EC 689/2008 concerning the export and import of dangerous chemicals.

Water hazard classification

WGK 0

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**General information**

Only trained personnel should use this material.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 08/10/2013

Revision 3

Supersedes date 07/09/2011

Risk Phrases In Full

R22 Harmful if swallowed.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R38 Irritating to skin.

NC Not classified.

R41 Risk of serious damage to eyes.

Hazard Statements In Full

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.

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.