



SAFETY DATA SHEET (Aerosol) De-Icer

According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, December 2011

SECTION 1: Identification: Product identifier and chemical identity

Product identifier

Product name (Aerosol) De-Icer

Product No. A39-10

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

Application Car maintenance product. - De-icer

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.

Details of the supplier of the safety data sheet

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SECTION 2: Hazard(s) identification

Classification of the substance or mixture

Physical hazards Aerosol 1 - H222, H229 Press. Gas, Compressed - H280

(Aerosol) De-Icer**Health hazards** Eye Irrit. 2A - H319 STOT SE 3 - H336 STOT RE 2 - H373**Environmental hazards** Not Classified**Label elements****Pictogram****Signal word** Danger

Hazard statements

H229 Pressurised container: may burst if heated
 H280 Contains gas under pressure; may explode if heated.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Pressurized container: Do not pierce or burn, even after use.
 P264 Wash contaminated skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Supplemental label information

For professional users only.

Contains PROPAN-2-OL, ETHANEDIOL**Other hazards**

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition and information on ingredients**Mixtures**

PROPAN-2-OL	30<60%
CAS number: 67-63-0	
Substance with a Community workplace exposure limit.	
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2A - H319	
STOT SE 3 - H336	
PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS	20<30%
CAS number: 68476-85-7	
Substance with a Community workplace exposure limit.	
Classification	
Flam. Gas 1 - H220	
Press. Gas, Liquefied - H280	

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ETHANEDIOL	15<20%
CAS number: 107-21-1	
Substance with National workplace exposure limits.	
Classification	
Acute Tox. 4 - H302	
STOT RE 2 - H373	
2,2',2"-nitrioltriethanol	0.2<0.5%
CAS number: 102-71-6	
Classification	
Not Classified	
SODIUM NITRITE	0.1<0.2%
CAS number: 7632-00-0	
M factor (Acute) = 1	
Classification	
Ox. Sol. 3 - H272	
Acute Tox. 3 - H301	
Eye Irrit. 2A - H319	
Aquatic Acute 1 - H400	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures**Description of first aid measures**

General information	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Skin Contact	Rinse with water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.

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Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

General information See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.

Ingestion Due to the physical nature of this product, it is unlikely that ingestion will occur.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact Irritating to eyes.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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Personal precautions

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Evacuate area. Risk of explosion. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid inhalation of dust and vapours. Use suitable respiratory protection if ventilation is inadequate.

Environmental precautions

Environmental precautions

Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Approach the spillage from upwind. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Avoid exposing aerosol containers to high temperatures or direct sunlight. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Avoid contact with eyes. Avoid inhalation of vapours and spray/mists.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

Conditions for safe storage, including any incompatibilities

Storage precautions

Store in accordance with local regulations. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight. Do not store near heat sources or expose to high temperatures. Do not expose to temperatures exceeding 50 °C/ 122 °F. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.

Storage class

Miscellaneous hazardous material storage.

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Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls and personal protection

Control parameters

Occupational exposure limits

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): 400 ppm 983 mg/m³

Short-term exposure limit (15-minute): 500 ppm 1230 mg/m³

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS

Long-term exposure limit (8-hour TWA): 1000 ppm 1800 mg/m³

Carc. 1B

ETHANEDIOL

Long-term exposure limit (8-hour TWA): 10 mg/m³ particulates
Sk

Long-term exposure limit (8-hour TWA): 20 ppm 52 mg/m³ vapour

Short-term exposure limit (15-minute): 40 ppm 104 mg/m³ vapour

Sk

2,2',2"-nitrilotriethanol

Long-term exposure limit (8-hour TWA): 5 mg/m³

Sen

Carc. 1B = Presumed to have carcinogenic potential for humans.

Sk = Absorption through the skin may be a significant source of exposure.

Sen = Respiratory and/or skin sensitiser.

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with Australia/New Zealand Standard AS/NZS 1337. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

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Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and complies with Australia/New Zealand Standard AS/NZS 1716. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Half mask and quarter mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Aerosol. Clear liquid.
Colour	Blue.
Odour	Alcoholic.
Odour threshold	Not available.
pH	Not applicable.
Melting point	Not determined.
Initial boiling point and range	-40 ~ -2°C @ 1013 hPa
Flash point	-60°C CC (Closed cup).
Evaporation rate	Not available.
Flammability Limit - Lower(%)	Lower flammable/explosive limit: 1.4 % Upper flammable/explosive limit: 10.9 %
Vapour pressure	590 - 1760 kPa @ °C
Vapour density	~ 1.5 @ 15°C
Relative density	~ 0.510 @ 15°C
Solubility Value (g/100g H₂O 20°C)	Soluble in the following materials: Organic solvents. Insoluble in water.
Partition coefficient	log Pow: 2.3 - 2.8
Auto-ignition temperature	365°C
Decomposition Temperature	Not available.
Viscosity	Not determined.

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Oxidising properties	Not applicable.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures. Information given is applicable to the major ingredient.
Volatile organic compound	This product contains a maximum VOC content of 433 g/litre.

SECTION 10: Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	The following materials may react strongly with the product: Oxidising agents.
Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised container: may burst if heated
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information**Information on toxicological effects**

Other health effects	There is no evidence that the product can cause cancer.
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	2,983.29
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Animal data	Based on available data the classification criteria are not met.
Human skin model test	Scientifically unjustified.
Extreme pH	Scientifically unjustified.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye irritation.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.

(Aerosol) De-Icer**Germ cell mutagenicity****Genotoxicity - in vitro** Based on available data the classification criteria are not met.**Carcinogenicity****Carcinogenicity** Based on available data the classification criteria are not met.**IARC carcinogenicity** Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.**Reproductive toxicity****Reproductive toxicity - fertility** Based on available data the classification criteria are not met.**Reproductive toxicity - development** Based on available data the classification criteria are not met.**Specific target organ toxicity - single exposure****STOT - single exposure** STOT SE 3 - H336 May cause drowsiness or dizziness.**Target organs** Central nervous system**Specific target organ toxicity - repeated exposure****STOT - repeated exposure** STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.**Aspiration hazard****Aspiration hazard** Based on available data the classification criteria are not met.**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.**Inhalation** A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.**Ingestion** Due to the physical nature of this product, it is unlikely that ingestion will occur.**Skin Contact** Repeated exposure may cause skin dryness or cracking.**Eye contact** Irritating to eyes.**Acute and chronic health hazards** Because of the product's quantity and composition, the health hazard is regarded as low.**Route of entry** Ingestion Inhalation Skin and/or eye contact**Target Organs** Central nervous system**Medical Symptoms** No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.**Medical considerations** Skin disorders and allergies.**Toxicological information on ingredients.****PROPAN-2-OL****Other health effects** There is no evidence that the product can cause cancer.**Acute toxicity - oral****Acute toxicity oral (LD₅₀ mg/kg)** 5,840.0

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Species	Rat
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	16.4
Species	Rabbit
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not sensitising.
<u>Skin sensitisation</u>	
Skin sensitisation	Not sensitising.
<u>Carcinogenicity</u>	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
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Inhalation	Drowsiness, dizziness, disorientation, vertigo.
Ingestion	No specific health hazards known.
Skin Contact	No specific health hazards known.
Eye contact	Irritating to eyes.

ETHANEDIOL

<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	35,000.0
Species	Mouse
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Not irritating.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not sensitising.
<u>Skin sensitisation</u>	
Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation:: Negative. This substance has no evidence of mutagenic properties.
<u>Carcinogenicity</u>	
Carcinogenicity	Not available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Fertility: - > 1000 mg/kg, Oral, Rat Does not contain any substances known to be toxic to reproduction.
Reproductive toxicity - development	Not available.

(Aerosol) De-Icer**Specific target organ toxicity - single exposure**

STOT - single exposure Not available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 200 mg/kg, Oral, Rat

Ingestion Harmful if swallowed.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.**PROPAN-2-OL**

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

ETHANEDIOL

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

Toxicity Based on available data the classification criteria are not met.

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.

Ecological information on ingredients.**PROPAN-2-OL**

Acute toxicity - fish LC50, 96 hours: ~ 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, >: > 1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: > 1000 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC₅₀, >: > 1000 mg/l, Activated sludge

ETHANEDIOL

Acute toxicity - fish LC50, 96 hours: ~ 72860 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: > 100 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: > 6500 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC ₂₀ , 30 minutes: > 1995 mg/l, Activated sludge
Chronic toxicity - fish early life stage	NOEC, ~: ~ 15380 mg/l, Pimephales promelas (Fat-head Minnow)

Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.**PROPAN-2-OL**

Persistence and degradability	The product is expected to be biodegradable.
Biodegradation	Degradation (%) - 95: 21 days
Biological oxygen demand	~ 1171 g O ₂ /g substance
Chemical oxygen demand	~ 2294 g O ₂ /g substance

ETHANEDIOL

Persistence and degradability	The product is biodegradable.
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Bioaccumulative potential

Bioaccumulative Potential	No data available on bioaccumulation.
Partition coefficient	log Pow: 2.3 - 2.8

Ecological information on ingredients.**PROPAN-2-OL**

Bioaccumulative Potential	The product is not bioaccumulating.
Partition coefficient	log Pow: 0.05

ETHANEDIOL

Bioaccumulative Potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	log Pow: 1.93

Mobility in soil

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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Ecological information on ingredients.**PROPAN-2-OL**

Mobility	The product is soluble in water.
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Adsorption/desorption coefficient Water - Koc: ~ 1.1 @ °C

Henry's law constant 0.00000338 atm m³/mol @ 25°C

ETHANEDIOL

Mobility The product is soluble in water. Mobile.

Adsorption/desorption coefficient Water - Koc: ~ 1 @ 20°C

Henry's law constant ~ 0.1327 atm m³/mol @ 20°C

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.**PROPAN-2-OL**

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

ETHANEDIOL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.**ETHANEDIOL**

Other adverse effects None known.

SECTION 13: Disposal considerations**Waste treatment methods****General information**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

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General For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

UN number

UN No. (ADG) 1950
 UN No. (IMDG) 1950
 UN No. (ICAO) 1950

UN proper shipping name

Proper shipping name (ADG) AEROSOLS
 Proper shipping name (IMDG) AEROSOLS
 Proper shipping name (ICAO) AEROSOLS

Transport hazard class(es)

ADG class 2.1
 ADG label 2.1
 IMDG class 2.1
 ICAO class/division 2.1

Transport labels**Packing group**

Not applicable.

Environmental hazards

Environmentally hazardous substance/marine pollutant
 No.

Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-D, S-U

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Schedule (SUSMP) Schedule 5. Caution.

Inventories**Australia - AICS**

All the ingredients are listed or exempt.

(Aerosol) De-Icer

SECTION 16: Any other relevant information

General information	This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.
Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	Prepared by Autosmart International Ltd, Lynn Lane, Shenstone, Lichfield, Staffordshire, WS14 0DH, Great Britain. www.autosmartinternational.com rbutler@autosmart.co.uk Tel +44 (0)1543 481616
Revision date	24/06/2016
Revision	5
Supersedes date	24/09/2015
SDS No.	10120
SDS status	Approved.
Hazard statements in full	H220 Extremely flammable gas. H225 Highly flammable liquid and vapour. H229 Pressurised container: may burst if heated H272 May intensify fire; oxidizer. H280 Contains gas under pressure; may explode if heated. H301 Toxic if swallowed. H302 Harmful if swallowed. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure if swallowed. H400 Very toxic to aquatic life.

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.