



## SAFETY DATA SHEET

### De-Icer

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name De-Icer  
Product number 007-15

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

Identified uses 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.

##### 1.3. Details of the supplier of the safety data sheet

Supplier Autosmart International Ltd  
Lynn Lane,  
Shenstone, nr Lichfield  
Staffordshire. WS14 0DH  
England  
www.autosmartinternational.com  
Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
Fax: +44 (0) 1543 481549 (09:00 - 17:00)  
info@autosmartinternational.com

Contact person Mr. Russell Butler

##### 1.4. Emergency telephone number

Emergency telephone Mob: +44 (0) 7808 971321 (24hrs)  
Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
Fax: +44 (0) 1543 481549 (09:00 - 17:00)

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

The NHS 111 service will also be available via the harmonised European number for medical advice 116 117

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

###### Physical hazards

Flam. Liq. 3 - H226

###### Health hazards

Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT RE 2 - H373

###### Environmental hazards

Not Classified

###### Classification (67/548/EEC or 1999/45/EC)

Xi;R36. R10,R67.

##### 2.2. Label elements

###### Pictogram



**De-Icer****Signal word**

Warning

**Hazard statements**

H226 Flammable liquid and vapour.  
 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, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P260 Do not breathe vapour/spray.  
 P264 Wash contaminated skin 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.  
 P501 Dispose of contents/container in accordance with national regulations.

**Contains**

PROPAN-2-OL, ETHANEDIOL

**Supplementary precautionary statements**

P243 Take precautionary measures against static discharge.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P314 Get medical advice/attention if you feel unwell.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**2.3. Other hazards**

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

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>PROPAN-2-OL</b>	<b>30-60%</b>
CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25-xxxx Substance with a Community workplace exposure limit.	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R67
<b>ETHANEDIOL</b>	<b>20-30%</b>
CAS number: 107-21-1 EC number: 203-473-3 REACH registration number: 01-2119456816-28-xxxx Substance with National workplace exposure limits.	
<b>Classification</b> Acute Tox. 4 - H302 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22
<b>SODIUM NITRITE</b>	<b>0.1-0.2%</b>
CAS number: 7632-00-0 EC number: 231-555-9 REACH registration number: 01-2119471836-27-xxxx M factor (Acute) = 1	
<b>Classification</b> Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> O;R8 T;R25 N;R50

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

**SECTION 4: First aid measures**

## De-Icer

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

#### **Inhalation**

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

#### **Ingestion**

Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Never give anything by mouth to an unconscious person. Get medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting.

#### **Skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

#### **Eye contact**

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Remove any contact lenses and open eyelids wide apart.

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

#### **General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

#### **Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea.

#### **Ingestion**

May cause stomach pain or vomiting. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation. Congestion of the lungs may occur, producing severe shortness of breath.

#### **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**

#### **Notes for the doctor**

No specific recommendations. If in doubt, get medical attention promptly.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

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

### **5.2. Special hazards arising from the substance or mixture**

#### **Specific hazards**

Oxides of the following substances: Carbon. Nitrogen. Solvent vapours may form explosive mixtures with air. May ignite at high temperature.

#### **Hazardous combustion products**

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### **5.3. Advice for firefighters**

#### **Protective actions during firefighting**

Cool containers exposed to flames with water until well after the fire is out.

#### **Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

For personal protection, see Section 8.

### **6.2. Environmental precautions**

#### **Environmental precautions**

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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### **6.3. Methods and material for containment and cleaning up**

#### **Methods for cleaning up**

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Large Spillages: 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. Flush contaminated area with plenty of water. Provide adequate ventilation.

### **6.4. Reference to other sections**

#### **Reference to other sections**

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

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## **SECTION 7: Handling and storage**

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### **7.1. Precautions for safe handling**

#### **Usage precautions**

Read and follow manufacturer's recommendations. Avoid spilling. Avoid contact with skin and eyes. During application and drying, solvent vapours will be emitted. Avoid inhalation of vapours.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Storage precautions**

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

#### **Storage class**

Flammable liquid storage.

### **7.3. Specific end use(s)**

#### **Specific end use(s)**

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

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## **SECTION 8: Exposure Controls/personal protection**

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### **8.1. Control parameters**

#### **Occupational exposure limits**

##### **PROPAN-2-OL**

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

##### **ETHANEDIOL**

Long-term exposure limit (8-hour TWA): WEL 20 ppm 10 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

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#### PROPAN-2-OL (CAS: 67-63-0)

DNEL Industry - Inhalation; Long term systemic effects: 500 mg/m3  
 Consumer - Dermal; Long term systemic effects: 319 mg/kg/day  
 Consumer - Oral; Long term systemic effects: 26 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 89 mg/m3  
 Industry - Dermal; Long term systemic effects: 888 mg/kg/day

PNEC - Fresh water; 140.9 mg/l  
 - Marine water; 140.9 mg/l  
 - Intermittent release; 140.9 mg/l  
 - Sediment (Freshwater); 552 mg/kg  
 - Sediment (Marinewater); 552 mg/kg  
 - STP; 2251 mg/l  
 - Soil; 28 mg/kg

#### ETHANEDIOL (CAS: 107-21-1)

DNEL Industry - Inhalation; Long term local effects: 35 mg/m3  
 Industry - Dermal; Long term systemic effects: 106 mg/kg/day  
 Consumer - Inhalation; Long term local effects: 7 mg/m3  
 Consumer - Dermal; Long term systemic effects: 53 mg/kg/day

PNEC - Fresh water; 10 mg/l  
 - Marine water; 1 mg/l  
 - STP; 199.5 mg/l  
 - Sediment (Freshwater); 20.9 mg/kg  
 - Soil; 1.53 mg/kg

#### SODIUM NITRITE (CAS: 7632-00-0)

#### Ingredient comments

No exposure limits known for ingredient(s).

DNEL Professional - Inhalation; Long term systemic effects: 2 mg/m3

PNEC - Fresh water; 0.0054 mg/l  
 - Marine water; 0.00616 mg/l  
 - Intermittent release; 0.0054 mg/l  
 - Sediment (Freshwater); 0.0195 mg/l  
 - Sediment (Marinewater); 0.0223 mg/l  
 - Soil; 0.000733 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Butyl rubber. It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). 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. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. Use thin cotton gloves inside the rubber gloves if allergy risk.

#### Other skin and body protection

Provide eyewash station.

#### Hygiene measures

Provide eyewash station. 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 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.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge:

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Organic vapour filter. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

**Appearance**

Liquid.

**Colour**

Clear liquid. Blue.

**Odour**

Alcoholic.

**Odour threshold**

Not available. Not available.

**pH**

Not applicable. Not applicable.

**Melting point**

< -15°C

**Initial boiling point and range**

> 100°C @

**Flash point**

23°C CC (Closed cup).

**Evaporation rate**

< 1 BuAc=1

**Upper/lower flammability or explosive limits**

: ~ 0.6 : :

**Vapour pressure**

~ 0.03 kPa @ °C

**Vapour density**

> 1.0

**Relative density**

~ 0.950 @ @ 20°C

**Solubility(ies)**

Soluble in water. Miscible with the following materials: Alcohols.

**Partition coefficient**

Not available.

**Auto-ignition temperature**

> 200°C

**Decomposition Temperature**

Not available.

**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.

#### 9.2. Other information

**Volatile organic compound**

This product contains a maximum VOC content of 380 g/litre.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability**

Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

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Not known. Will not polymerise.

### **10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time.

### **10.5. Incompatible materials**

#### **Materials to avoid**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### **10.6. Hazardous decomposition products**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Other health effects**

There is no evidence that the product can cause cancer.

#### **Acute toxicity - oral**

**ATE oral (mg/kg)**

2,386.63484487

#### **General information**

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

#### **Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea.

#### **Ingestion**

May cause discomfort if swallowed.

#### **Skin contact**

May cause defatting of the skin but is not an irritant.

#### **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. No specific long-term effects known.

#### **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.**

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### PROPAN-2-OL

#### **Other health effects**

There is no evidence that the product can cause cancer. IARC Not Listed. NTP Not Listed. OSHA Not Regulated.

#### **Acute toxicity - oral**

**Acute toxicity oral (LD50 mg/kg)**

5,840

#### **Species**

Rat

#### **Acute toxicity - dermal**

**Acute toxicity dermal (LD50 mg/kg)**

16.4

#### **Species**

Rabbit

#### **Respiratory sensitisation**

Not sensitising.

#### **Skin sensitisation**

Not sensitising.

#### **Inhalation**

Drowsiness, dizziness, disorientation, vertigo.

#### **Ingestion**

No specific health hazards known.

#### **Skin contact**

No specific health hazards known.

#### **Eye contact**

Irritating to eyes.



**De-Icer****ETHANEDIOL****Acute toxicity - dermal****Acute toxicity dermal (LD50 mg/kg)**

35000

**Species**

Mouse

**Serious eye damage/irritation**

Not irritating.

**Respiratory sensitisation**

Not sensitising.

**Skin sensitisation**

Not sensitising.

**Germ cell mutagenicity****Genotoxicity - in vitro**

Gene mutation:: Negative. This substance has no evidence of mutagenic properties.

**Carcinogenicity**

Not available.

**Reproductive toxicity****Reproductive toxicity - fertility**

Fertility: - &gt; 1000 mg/kg, Oral, Rat Does not contain any substances known to be toxic to reproduction.

**Reproductive toxicity - development**

Not available.

**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.

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**SECTION 12: Ecological Information**

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**Ecotoxicity**

The product contains a substance which is harmful to aquatic organisms.

**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.

**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**

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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**

EC , >: > 1000 mg/l, Daphnia magna

##### **Acute toxicity - aquatic plants**

EC , 72 hours: > 1000 mg/l, Scenedesmus subspicatus

##### **Acute toxicity - microorganisms**

EC , >: > 1000 mg/l, Activated sludge

#### ETHANEDIOL

##### **Acute toxicity - fish**

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

##### **Acute toxicity - aquatic invertebrates**

EC , 48 hours: > 100 mg/l, Daphnia magna

##### **Acute toxicity - aquatic plants**

EC , 96 hours: > 6500 mg/l, Selenastrum capricornutum

##### **Acute toxicity - microorganisms**

EC20, 30 minutes: > 1995 mg/l, Activated sludge

##### **Chronic toxicity - fish early life stage**

NOEC, ~: ~ 15380 mg/l, Pimephales promelas (Fat-head Minnow)

### 12.2. Persistence and degradability

#### **Persistence and degradability**

The product is biodegradable. The surfactant(s) contained in this product complies(comply) 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. Volatile substances are degraded in the atmosphere within a few days.

### 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<sub>2</sub>/g substance

##### **Chemical oxygen demand**

~ 2294 g O<sub>2</sub>/g substance

#### ETHANEDIOL

##### **Persistence and degradability**

The product is biodegradable.

### 12.3. Bioaccumulative potential

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

#### **Partition coefficient**

Not available.

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### Ecological information on ingredients.

#### PROPAN-2-OL

The product is not bioaccumulating.

#### **Partition coefficient**

log Pow: 0.05

#### ETHANEDIOL

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

#### **Partition coefficient**

log Pow: 1.93

### 12.4. Mobility in soil

#### **Mobility**

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is miscible with water and may spread in water systems.

### Ecological information on ingredients.

#### PROPAN-2-OL

#### **Mobility**

The product is soluble in water.

#### **Adsorption/desorption coefficient**

Soil - Koc: ~ 1.1 @ °C

#### **Henry's law constant**

0.00000338 atm m<sup>3</sup>/mol @ 25°C

#### ETHANEDIOL

#### **Mobility**

The product is soluble in water. Mobile.

#### **Adsorption/desorption coefficient**

Soil - Koc: 1 @ °C

#### **Henry's law constant**

0.1327 atm m<sup>3</sup>/mol @ °C

### 12.5. 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

This substance is not classified as PBT or vPvB according to current EU criteria.

#### ETHANEDIOL

This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

None known.

### Ecological information on ingredients.

#### ETHANEDIOL

None known.

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## **SECTION 13: Disposal considerations**

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### 13.1. Waste treatment methods

#### **General information**

The packaging must be empty (drop-free when inverted). Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

#### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging: Reuse or recycle products wherever possible.

**De-Icer****SECTION 14: Transport information****14.1. UN number**

UN No. (ADR/RID)	1987
UN No. (IMDG)	1987
UN No. (ICAO)	1987

**14.2. UN proper shipping name**

Proper shipping name (ADR/RID)	ALCOHOLS, N.O.S. (PROPAN-2-OL)
Proper shipping name (IMDG)	ALCOHOLS, N.O.S. (PROPAN-2-OL)
Proper shipping name (ICAO)	ALCOHOLS, N.O.S. (PROPAN-2-OL)
Proper shipping name (ADN)	ALCOHOLS, N.O.S. (PROPAN-2-OL)

**14.3. Transport hazard class(es)**

ADR/RID class	3
ADR/RID subsidiary risk	
ADR/RID label	3
IMDG class	3
IMDG subsidiary risk	
ICAO class/division	3
ICAO subsidiary risk	
Transport labels	

**14.4. Packing group**

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

EmS	F-E, S-D
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

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

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

**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) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling

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and packaging of substances and mixtures (as amended).

### Guidance

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

### Health and environmental listings

Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

### Water hazard classification

WGK 2

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

### General information

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems. 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.  
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**Revision date** 24/09/2014

**Revision** 6

**Supersedes date** 05/10/2013

**SDS status** Approved.

### Risk phrases in full

R10 Flammable.  
R11 Highly flammable.  
R22 Harmful if swallowed.  
R25 Toxic if swallowed.  
R36 Irritating to eyes.  
R50 Very toxic to aquatic organisms.  
R67 Vapours may cause drowsiness and dizziness.  
R8 Contact with combustible material may cause fire.

### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H272 May intensify fire; oxidiser.  
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.

### 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.