



SAFETY DATA SHEET

POLAR DE-ICER (AEROSOL)

CP1395 v1.0 RS 721-2572

RS REACH revision date 01/12/10

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	POLAR DE-ICER (AEROSOL)		
SUPPLIER	ARROW CHEMICALS RAWDON ROAD MOIRA SWADLINCOTE DERBYSHIRE DE12 6DA +44 (0)1283 221044 +44 (0)1283 225731 sales@arrowchem.com	MANUFACTURER	ARROW CHEMICALS RAWDON ROAD MOIRA SWADLINCOTE DERBYSHIRE DE12 6DA +44 (0)1283 221044 +44 (0)1283 225731 sales@arrowchem.com
INTERNAL ID	A040	Supplied by: RS Components Ltd. Birchington Road, Corby, Northants, NN17 9RS. Tel: +44 (0) 1536 402888 (8am to 8pm) Email: technical.help@rs-components.com	
APPLICATION	Antifreeze liquid		

2 HAZARDS IDENTIFICATION

Extremely flammable. Harmful if swallowed.

CLASSIFICATION (1999/45) Xn;R22. F+;R12.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
ETHANOL	200-578-6	64-17-5	30-60%	F;R11
ETHANEDIOL	203-473-3	107-21-1	30-60%	Xn;R22
HYDROCARBON PROPELLANT	270-704-2	68476-85-7	10-30%	F+;R12.
PROPAN-2-OL	200-661-7	67-63-0	1-5%	F;R11 Xi;R36 R67

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Wash skin thoroughly with soap and water. Use suitable lotion to moisturise skin.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES

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

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

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6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb with inert, damp, non-combustible material, then flush area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Provide good ventilation.

STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ETHANEDIOL	WEL		10 mg/m ³ (Sk)		104 mg/m ³ (Sk)	
ETHANOL	WEL	1000 ppm	1920 mg/m ³			
HYDROCARBON PROPELLANT	WEL	600 ppm	1430 mg/m ³	750 ppm	1780 mg/m ³	
PROPAN-2-OL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Rubber, neoprene or PVC.

EYE PROTECTION

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol
ODOUR	Slight odour
SOLUBILITY	Soluble in water.
FLASH POINT (°C)	< 21 P/M Pensky-Martens.

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

11 TOXICOLOGICAL INFORMATION

MEDICAL SYMPTOMS

EYES AND MUCOUS MEMBRANES. Irritation of eyes and mucous membranes. SKIN. Skin irritation. DIGESTIVE SYSTEM. Gastrointestinal symptoms, including upset stomach.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

13 DISPOSAL CONSIDERATIONS

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DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	ADR CLASS NO.	2
ADR PACK GROUP	5F	IMDG CLASS	2
AIR CLASS	2		

15 REGULATORY INFORMATION

LABELLING



Harmful



Extremely Flammable

CONTAINS

ETHANEDIOL

RISK PHRASES

R12 Extremely flammable.
R22 Harmful if swallowed.

SAFETY PHRASES

S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour/spray.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.

UK REGULATORY REFERENCES

C.H.I.P. The Chemicals (Hazard Information and Packaging for supply) Regulations. The Carriage of Dangerous Goods by Road and Rail Regulations.

16 OTHER INFORMATION

GENERAL INFORMATION

Only trained personnel should use this material.

REVISION DATE 07/10/10

DATE 09/10/07

RISK PHRASES IN FULL

R12 Extremely flammable.
R22 Harmful if swallowed.
R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

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.