

SAFETY DATA SHEET

Aerosol Deicer

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	Aerosol Deicer		
PRODUCT NO.	A820,DI3,DI4,DI6		
INTERNAL ID	A820		
SUPPLIER	.	MANUFACTURER	Holt Lloyd Oakhurst Drive Cheadle Manchester +44 (0)161 491 7391 +44 (0)161 491 7399
EMERGENCY TELEPHONE	FR - INRS Tél: 01.45.42.59.59 B - Antigifcentrum Tél: +32.70.245.245 NL - Rijksinstituut voor Volksgezondheid en Milieuhygiëne: tel. +31 (0)30 2748888 UK - Out of office hours Tel: 020 7358 9167		

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANE	203-448-7	106-97-8	< 1%	F+;R12
ETHANOL	200-578-6	64-17-5	10-30%	F;R11
PROPAN-2-OL	200-661-7	67-63-0	10-30%	F;R11 Xi;R36 R67
ETHANEDIOL	203-473-3	107-21-1	5-10%	Xn;R22

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

3 HAZARDS IDENTIFICATION

Extremely flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

CLASSIFICATION Xi;R36. F+;R12. R67.

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. Provide rest, warmth and fresh air. DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

SKIN CONTACT

Remove affected person from source of contamination. Get medical attention if any discomfort continues.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk.

UNUSUAL FIRE & EXPLOSION HAZARDS

If heated, volume and pressure increases strongly, resulting in explosion of container.

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6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
BUTANE	OES	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3
ETHANOL	OES	1000 ppm	1920 mg/m3		
PROPAN-2-OL	OES	400 ppm	999 mg/m3	500 ppm	1250 mg/m3
ETHANEDIOL	OES		52 mg/m3(Sk)		104 mg/m3(Sk)

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

Blue Nitrile, powder-free. Category 3.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol Liquid
COLOUR	Colourless
ODOUR	Odour of alcohol
VOLATILITY DESCRIPTION	Volatile.

10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalies.

11 TOXICOLOGICAL INFORMATION

INHALATION

Vapours may cause drowsiness and dizziness. Vapours may cause headache, fatigue, dizziness and nausea.

INGESTION

May cause chemical burns in mouth, oesophagus and stomach.

SKIN CONTACT

Prolonged and frequent contact may cause redness and irritation.

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EYE CONTACT

Irritating to eyes.

ROUTE OF ENTRY

Inhalation. Skin and/or eye contact.

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.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Empty containers must not be burned because of explosion hazard.

14 TRANSPORT INFORMATION

GENERAL

LIMITED QUANTITIES derogation applies to volumes under 1Lt



UK ROAD CLASS	2		
PROPER SHIPPING NAME	AEROSOLS		
UK ROAD PACK GR.	I	ADR CLASS NO.	2
ADR CLASS	Class 2.1: Flammable gases.	ADR PACK GROUP	5F
ADR LABEL NO.	2.1	RID CLASS NO.	2
UN NO. SEA	1950	EMS	2-13
MARINE POLLUTANT	No.	UN NO. AIR	1950
ICAO CLASS	2		

15 REGULATORY INFORMATION

LABELLING



Irritant



Extremely
Flammable

RISK PHRASES

R12	Extremely flammable.
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S2	Keep out of reach of children.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51	Use only in well-ventilated areas.
	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
	Do not spray on a naked flame or any incandescent material.

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UK REGULATORY REFERENCES

Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 91/155/EEC.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16 OTHER INFORMATION

ISSUED BY

Technical Department

REV. NO./REPL. SDS GENERATED 1/

SDS NO. 11463

SAFETY DATA SHEET STATUS

Approved.

DATE 09-07-04

RISK PHRASES IN FULL

R11 Highly flammable.

R12 Extremely flammable.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.