



SAFETY DATA SHEET

Bradex Easy Start

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

| | |
|---------------------|--|
| PRODUCT NAME | Bradex Easy Start |
| PRODUCT NO. | BES1A, 79011256004, 793737 |
| SUPPLIER | 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 - 00 44 (0) 161 491 7391 Out of office hours Tel: 020 7358 9167 |

2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|--------------------|-----------|----------|---------|---------------------------------------|
| DIETHYL ETHER | 200-467-2 | 60-29-7 | 10-30% | F+;R12 R19 Xn;R22 R66 R67 |
| Isohexane | | | 10-30% | Xn;R65. Xi;R38. F;R11. N;R51/53. R67. |
| Propane | | 74-98-6 | 10-30% | - |
| DI-ISOPROPYL ETHER | 203-560-6 | 108-20-3 | 10-30% | F;R11 R19 R66 R67 |
| ACETONE | 200-662-2 | 67-64-1 | 5-10% | F;R11 Xi;R36 R66 R67 |
| PYRIDINE | 203-809-9 | 110-86-1 | < 1% | F;R11 Xn;R20/21/22 |

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

3 HAZARDS IDENTIFICATION

Extremely flammable. Harmful if swallowed. Irritating to skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

CLASSIFICATION Xn;R22. Xi;R38. F+;R12. R52/53, 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

DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Powder. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

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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. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

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.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | Std | LT - ppm | LT - mg/m3 | ST - ppm | ST - mg/m3 |
|--------------------|-----|----------|------------|----------|------------|
| DIETHYL ETHER | WEL | 100 ppm | 310 mg/m3 | 200 ppm | 620 mg/m3 |
| DI-ISOPROPYL ETHER | WEL | 250 ppm | 1060 mg/m3 | 310 ppm | 1310 mg/m3 |
| ACETONE | WEL | 500 ppm | 1210 mg/m3 | 1500 ppm | 3620 mg/m3 |
| PYRIDINE | WEL | 5 ppm | 16 mg/m3 | 10 ppm | 33 mg/m3 |

INGREDIENT COMMENTS

OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Use protective gloves. For prolonged or repeated skin contact use suitable protective gloves. Rubber gloves are recommended. EN374

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

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

HYGIENE MEASURES

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

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|------------------|-------------------|--------------------------------|-------|
| APPEARANCE | Aerosol Liquid | | |
| COLOUR | Clear Colourless | | |
| ODOUR | Organic solvents. | | |
| FLASH POINT (°C) | -38°C | AUTO IGNITION TEMPERATURE (°C) | 180°C |

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

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HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

INHALATION

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

INGESTION

Harmful if swallowed. Swallowing concentrated chemical may cause severe internal injury.

SKIN CONTACT

Irritating to skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.

ROUTE OF ENTRY

Inhalation. Skin and/or eye contact.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment. However, The product is not expected to be toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

14 TRANSPORT INFORMATION

| | | | |
|----------------------|--------------------|------------------|-----|
| GENERAL | Limited Quantities | | |
| PROPER SHIPPING NAME | AEROSOLS | | |
| UN NO. ROAD | 1950 | ADR CLASS NO. | 2 |
| ADR PACK GROUP | 5F | RID CLASS NO. | 2 |
| UN NO. SEA | 1950 | IMDG CLASS | 2 |
| EMS | F-D, S-U | MARINE POLLUTANT | No. |
| UN NO. AIR | 1950 | AIR CLASS | 2.1 |

15 REGULATORY INFORMATION

LABELLING



Harmful



Extremely Flammable

CONTAINS

DIETHYL ETHER

RISK PHRASES

| | |
|--------|---|
| R12 | Extremely flammable. |
| R22 | Harmful if swallowed. |
| R38 | Irritating to skin. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67 | Vapours may cause drowsiness and dizziness. |

SAFETY PHRASES

| | |
|-----|---|
| S2 | Keep out of the reach of children |
| S13 | Keep away from food, drink and animal feeding stuffs. |
| S16 | Keep away from sources of ignition - No smoking. |
| S23 | Do not breathe vapour/spray. |

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|-----|---|
| S24 | Avoid contact with skin. |
| S51 | Use only in well-ventilated areas. |
| A1 | Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. |
| A2 | Do not spray on a naked flame or any incandescent material. |

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC. System of specific information relating to Dangerous Preparations. 2001/58/EEC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) The Aerosol Dispensers (EEC Requirements)(Amendment) Regulations 1996 (SI 1996 No 2421). Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and use of transportable pressure equipment regulations 2004.

16 OTHER INFORMATION

REVISION COMMENTS

Change in the hazard assessment of a chemical

ISSUED BY

Technical Department

REVISION DATE 31/10/2006

REV. NO./REPL. SDS GENERATED 1

SDS NO. 12758

SAFETY DATA SHEET STATUS

Approved.

DATE 26th October 2006 LB

RISK PHRASES IN FULL

| | |
|-----------|---|
| R11 | Highly flammable. |
| R12 | Extremely flammable. |
| R19 | May form explosive peroxides. |
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed. |
| R22 | Harmful if swallowed. |
| R36 | Irritating to eyes. |
| R38 | Irritating to skin. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| 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.