



# SAFETY DATA SHEET

## Bradex Easy Start

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

**PRODUCT NAME:** Bradex Easy Start  
**CHEMICAL NAME 2:** Demarrage Moteur; Starting Aid  
**PART No.:** BES1A  
**IN-HOUSE No.:** PA013L  
**SYNONYMS, TRADE NAMES:** 79011256004  
**EMERGENCY TELEPHONES:** Out of office hours: +44 (0)786 675 5247  
**MANUFACTURER:** Holt Lloyd s.a.  
Moulin de Bailly le Bel  
F-60840 Breuil-le-Sec  
Tel: +33 (0) 3 4450 1526  
Fax: +33 (0) 3 4450 4480

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

| NAME  | EINECS Nr.: | CLASSIFICATION                   | CONTENT |
|---|-------------|----------------------------------|---------|
| CAS No.:<br>DIETHYL ETHER<br>60-29-7                    | 200-467-2   | Xn ,Fx R-12, 19, 22, 66, 67      | 30-60 % |
| ACETONE<br>67-64-1                                      | 200-662-2   | Xi ,F R-11, 36, 66, 67           | 5-10 %  |
| HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6)) |             | Xn ,F ,N R-11, 38, 51/53, 65, 67 | 10-30 % |

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.

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

**EYES:** 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: Inert gas. Foam. Carbon dioxide (CO2). 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 fires.

## 6. ACCIDENTAL RELEASE MEASURES:

**SPILL CLEANUP 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 for direct sunlight or temperatures above 50°C. Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

| INGREDIENT NAME: | CAS No.: | STD | LT EXP 8 Hrs | ST EXP 15 Min |
|------------------|----------|-----|--------------|---------------|
| DIETHYL ETHER    | 60-29-7  | OES | 100 ppm      | 200 ppm       |
| ACETONE          | 67-64-1  | OES | 500 ppm      | 1500 ppm      |

**INGREDIENT COMMENTS:** OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

**PROTECTIVE EQUIPMENT:**



**VENTILATION:** Provide adequate general and local exhaust ventilation.

|                                 |  |
|---------------------------------|--|
| <b>RESPIRATORS:</b>             | No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).   |
| <b>PROTECTIVE GLOVES:</b>       | Use protective gloves.<br>Blue Nitrile, powder-free. Category 3.   |
| <b>EYE PROTECTION:</b>          | Use eye protection.  |
| <b>OTHER PROTECTION:</b>        | Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.   |
| <b>HYGIENIC WORK PRACTICES:</b> | 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. No eating or drinking while working with this material. |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

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|---|---|--------------------------|
| <b>APPEARANCE:</b>                      | Aerosol. Liquid.                                  |                          |
| <b>COLOUR:</b>                          | Light yellow.                                     |                          |
| <b>ODOUR/TASTE:</b>                     | Ether.  |                          |
| <b>DENSITY/SPECIFIC GRAVITY (g/ml):</b> | 0.73  | <b>Temperature (°C):</b> |
| <b>SOLUBILITY DESCRIPTION:</b>          | Insoluble in water. Soluble in: Organic solvents. |                          |
| <b>AUTO IGNITION TEMP. (°C):</b>        | 180°C   |                          |

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## 10. STABILITY AND REACTIVITY:

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|------------------------------------|--|
| <b>STABILITY:</b>                  | Normally stable.   |
| <b>CONDITIONS TO AVOID:</b>        | Avoid heat.  |
| <b>HAZARDOUS DECOMP. PRODUCTS:</b> | Fire or high temperatures create: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). |

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## 11. TOXICOLOGICAL INFORMATION:

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|------------------------|---|
| <b>INHALATION:</b>     | Solvent vapours are hazardous and may cause nausea, sickness and headaches. |
| <b>INGESTION:</b>      | Harmful if swallowed.   |
| <b>SKIN:</b>           | Acts as a defatting agent on skin. May cause cracking of skin, and eczema.  |
| <b>EYES:</b>           | Spray and vapour in the eyes may cause irritation and smarting.             |
| <b>ROUTE OF ENTRY:</b> | Inhalation. Skin and/or eye contact.  |

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## 12. ECOLOGICAL INFORMATION:

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| <b>ECOLOGICAL INFORMATION:</b> | Dangerous for the environment if discharged into watercourses. |
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### 13. DISPOSAL CONSIDERATIONS:

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**DISPOSAL METHODS:** Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.

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### 14. TRANSPORT INFORMATION:

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**GENERAL:** LIMITED QUANTITIES derogation applies to volumes under 1Lt

**LABEL FOR CONVEYANCE:**



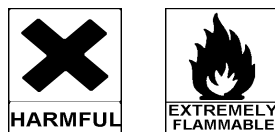
**UN No. ROAD:** 1950  
**ADR CLASS No.:** 2.1  
**ADR CLASS:** Division 2.1: Flammable gases.  
**ADR ITEM No.:** 5F  
**ADR LABEL No.:** 2.1  
**CEFIC TEC(R) No.:** 20G26-2  
**PROPER SHIPPING NAME I:** AEROSOLS  
**RID CLASS No.:** 2.1  
**UN No. SEA:** 1950  
**EmS No.:** 2-13  
**MARINE POLLUTANT:** N/A.  
**UN No., AIR:** 1950  
**ICAO CLASS:** 2.1

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### 15. REGULATORY INFORMATION:

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**LABEL FOR SUPPLY:**



|                               |  |
|-------------------------------|--|
| <b>RISK PHRASES:</b>          | R-12 Extremely flammable.<br>R-22 Harmful if swallowed.<br>R-38 Irritating to skin.<br>R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>R-67 Vapours may cause drowsiness and dizziness.   |
| <b>SAFETY PHRASES:</b>        | S-16 Keep away from sources of ignition - No Smoking.<br>S-2 Keep out of reach of children.<br>S-23A Do not breathe gas/fumes/vapour/spray.<br>S-24 Avoid contact with skin.<br>S-37 Wear suitable gloves.<br>S-51 Use only in well ventilated areas.<br>S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets. |
| <b>STATUTORY INSTRUMENTS:</b> | Chemicals (Hazard Information and Packaging) Regulations.  |
| <b>GUIDANCE NOTES:</b>        | Occupational Exposure Limits EH40. CHIP for everyone HSG(108).   |

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## 16. OTHER INFORMATION:

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| <b>ISSUED BY:</b>                    | Colin Sawmy  |
| <b>REV. No./REPL. SDS GENERATED:</b> | 1/   |
| <b>SDS No.:</b>                      | 10714  |
| <b>SAFETY DATA SHEET STATUS:</b>     | Approved.  |
| <b>DATE:</b>                         | 13/5/02  |
| <b>DISCLAIMER:</b>                   | Any risk phrases shown in this section refer to the ingredients in Section 2: NOT to the preparation.  |
| <b>PRINTING DATE:</b>                | 2002-05-14   |
| <b>R-PHRASES (Full Text):</b>        | R-11 Highly flammable. R-38 Irritating to skin. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-67 Vapours may cause drowsiness and dizziness. R-12 Extremely flammable. R-19 May form explosive peroxides. R-66 Repeated exposure may cause skin dryness or cracking. R-22 Harmful if swallowed. R-36 Irritating to eyes. |