



## SAFETY DATA SHEET Bradex Easy Start

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name Bradex Easy Start  
Product No. BES1A  
REACH Registration notes This is a MIXTURE; no registration information contained in this document . Holts are classed as Downstream User.

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

Identified uses Car maintenance product.

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

Supplier Holt Lloyd International Ltd  
Barton Dock Road  
Stretford  
Manchester  
M32 0YQ - England, UK  
+44 (0) 161 866 4800  
FAX +44 (0) 161 866 4854  
A Holts Car Care Product  
www.holtsauto.com  
Contact Person Contact Email address: info@holtsauto.com

#### 1.4. Emergency telephone number

UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs Out of office hours Tel: 020 7358 9167  
National Emergency Telephone Number  
<http://echa.europa.eu/en/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)  
Physical and Chemical Hazards EUH019;Flam. Aerosol 1 - H222  
Human health EUH066;Acute Tox. 4 - H302;STOT SE 3 - H336  
Environment Aquatic Chronic 3 - H412  
Classification (1999/45/EEC) Xn;R22. F+;R12. R19, R52/53, R66, R67.  
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

Contains DIETHYL ETHER

Label In Accordance With (EC) No. 1272/2008



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Signal Word	Danger	
Hazard Statements	H222	Extremely flammable aerosol.
	H302	Harmful if swallowed.
	H336	May cause drowsiness or dizziness.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary Statements	P102	Keep out of reach of children.
	P101	If medical advice is needed, have product container or label at hand.
	P501	Dispose of contents/container in accordance with local regulations.
Supplementary Precautionary Statements	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Pressurized container: Do not pierce or burn, even after use.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P330	Rinse mouth.
	P403+233	Store in a well-ventilated place. Keep container tightly closed.
	P405	Store locked up.
	P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
	Supplemental label information	EUH019
EUH066		Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

DIETHYL ETHER	10-30%
CAS-No.: 60-29-7	EC No.: 200-467-2
Classification (EC 1272/2008)	Classification (67/548/EEC)
EUH019	F+;R12
Flam. Liq. 1 - H224	R19
EUH066	Xn;R22
Acute Tox. 4 - H302	R66
STOT SE 3 - H336	R67
Naphtha (petroleum), hydrotreated light	10-30%
CAS-No.: 64742-49-0	EC No.: 265-151-9

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Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
10-30%	
DI-ISOPROPYL ETHER  CAS-No.: 108-20-3                      EC No.: 203-560-6	
Classification (EC 1272/2008) EUH019 Flam. Liq. 2 - H225 EUH066 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 R19 R66 R67
10-30%	
BUTANE  CAS-No.: 106-97-8                      EC No.: 203-448-7	
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12
5-10%	
ACETONE  CAS-No.: 67-64-1                      EC No.: 200-662-2	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67
5-10%	
ISOBUTANE  CAS-No.: 75-28-5                      EC No.: 200-857-2	
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12

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

REACH Registration notes

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### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of 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.

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## 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.

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

### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

### Inhalation

Vapours may cause headache, fatigue, dizziness and nausea. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

### Ingestion

Due to the physical nature of this material it is unlikely that swallowing will occur.

### Skin contact

Prolonged contact may cause redness, irritation and dry skin.

### Eye contact

Irritating and may cause redness and pain.

## **4.3. Indication of any immediate medical attention and special treatment needed**

Treat Symptomatically.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### Extinguishing media

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

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

#### Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

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

#### 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.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Not relevant considering the small amounts used.

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

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.

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

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## **SECTION 7: HANDLING AND STORAGE**

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

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.

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

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

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## 7.3. Specific end use(s)

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 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	
ISOBUTANE	OES	800 ppm		800 ppm		

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of spray.

Respiratory equipment

No specific recommendations.

Hand protection

Use suitable protective gloves if risk of skin contact.

Eye protection

No specific eye protection noted, but may be required anyway.

Other Protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

Wash hands after handling.

Environmental Exposure Controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Aerosol.
Colour	Clear Colourless.
Odour	Organic solvents.
Flash point (°C)	-38°C
Auto Ignition Temperature (°C)	180°C

### 9.2. Other information

Not relevant

## SECTION 10: STABILITY AND REACTIVITY

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## **10.1. Reactivity**

The product may form explosive vapours/air mixtures even at normal room temperatures.

## **10.2. Chemical stability**

Stable under normal temperature conditions.

## **10.3. Possibility of hazardous reactions**

Not determined.

## **10.4. Conditions to avoid**

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

## **10.5. Incompatible materials**

Materials To Avoid

No incompatible groups noted.

## **10.6. Hazardous decomposition products**

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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

Toxicological information

No data recorded.

Other Health Effects

This substance has no evidence of carcinogenic properties.

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.

## **SECTION 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.

### **12.1. Toxicity**

### **12.2. Persistence and degradability**

Degradability

The product is expected to be biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

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

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## 12.4. Mobility in soil

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

## 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

## 12.6. Other adverse effects

The product contains volatile, organic compounds which have a photochemical ozone creation potential.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment 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.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

### 14.2. UN proper shipping name

Proper Shipping Name                      AEROSOLS

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	2.1
ADR/RID/ADN Class	Class 2: Gases
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
Transport Labels	



### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

### 14.6. Special precautions for user

EMS	F-D, S-U
Tunnel Restriction Code	(D)

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

### SECTION 15: REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

##### EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

##### National Regulations

Workplace Exposure Limits 2005 (EH40)

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

Water hazard classification

WGK 3

#### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION

Revision Date 08/09/2014

Revision 5

Supersedes date 13/02/2014

SDS No. 14771

##### Risk Phrases In Full

R12 Extremely flammable.

R22 Harmful if swallowed.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R11 Highly flammable

R36 Irritating to eyes.

R38 Irritating to skin.

R19 May form explosive peroxides.

R66 Repeated exposure may cause skin dryness or cracking.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

##### Hazard Statements In Full

EUH019 May form explosive peroxides.

EUH066 Repeated exposure may cause skin dryness or cracking.

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H224 Extremely flammable liquid and vapour.

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.



