

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name:** Brecca ES

**Other identification:**

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

Acidic descaling agent

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

SwanTek

Mintsfeet Road South, Kendal, LA9 6ND, UK

Tel: +44 (0)1539 722247 Email: service@swantek.com Web: www.swantek.com

### 1.4 Emergency telephone number

As per section 1.3

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

Acute Tox. 4 (Inhalation:dust,mist), H332

Skin Corr. 1A, H314

Full text of hazard classes and H-statements: see section 16

### 2.2 Label elements

**Hazard pictograms:** CLP 05 Corrosive  
CLP 07 Exclamation  
(none)  
(none)



**Signal word:** Danger

**Hazard statements:** H314 - Causes severe skin burns and eye damage  
H332 - Harmful if inhaled

**Precautionary statements:** P260 - Do not breathe spray  
P261 - Avoid breathing spray  
P264 - Wash hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear eye protection, protective gloves, protective clothing  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P315 - Get immediate medical advice/attention  
P405 - Store locked up

**Other label elements:** Hazardous ingredients: Hydrogen chloride

### 2.3 Other hazards

No additional information available

## Section 3: Composition / information on ingredients

### 3.1 Substances

### 3.2 Mixtures

Hydrogen chloride

CAS No: 7647-01-0, EC no: 231-595-7, EC index no: 017-002-00-2

15 - 30 %

Press. Gas  
Acute Tox. 3 (Inhalation), H331  
Skin Corr. 1A, H314

Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether  
CAS No: Polymer\_DT03  
1 - 5 %  
Acute Tox. 4 (Oral), H302  
Eye Dam. 1, H318

Full text of H-statements: see section 16

## Section 4: First aid measures

### 4.1 Description of first aid measures

**General:** Get medical advice/attention if you feel unwell.  
**Inhalation:** Remove person to fresh air and keep comfortable for breathing.  
**Ingestion:** Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.  
**Skin:** Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse.  
**Eye:** Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get immediate medical advice/attention.

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

**General:**  
**Inhalation:** May cause respiratory irritation.  
**Ingestion:** Burns.  
**Skin:** Burns.  
**Eye:** Causes serious eye damage.

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

Treat symptomatically.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Foam.

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

Hazardous decomposition products in case of fire: Corrosive vapours.

### 5.3 Advice for firefighters

No additional information available

## Section 6: Accidental release measures

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

Evacuate unnecessary personnel. Use personal protective equipment as required.

### 6.2 Environmental precautions

Avoid release to the environment.

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

Collect spillage. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### 6.4 Reference to other sections

For further information refer to sections 8 and 13.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

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

Technical measures: Does not require any specific or particular technical measures.

Storage conditions: Keep container closed when not in use.  
Incompatible products: Strong bases. Oxidizing agent.  
Incompatible materials: Metals.  
Special rules on packaging: Keep only in original container.

### **7.3 Specific end use(s)**

No additional information available

## **Section 8: Exposure controls / personal protection**

### **8.1 Control parameters**

No additional information available

### **8.2 Exposure controls**

Materials for protective clothing: Safety boots. PICM008  
Hand protection: Protective gloves  
Eye protection: Safety glasses  
Skin and body protection: Wear suitable protective clothing  
Respiratory protection: Not required for normal conditions of use

## **Section 9: Physical and chemical properties**

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

*Note: This information represents typical data and is not a specification.*

Physical state	Liquid
Appearance	Mobile liquid
Colour	Red
Odour	Acidic
pH	1
Relative density	1.09

### **9.2 Other information**

No additional information available

## **Section 10: Stability and reactivity**

### **10.1 Reactivity**

No additional information available

### **10.2 Chemical stability**

Stable under normal conditions

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

No additional information available

### **10.4 Conditions to avoid**

No additional information available

### **10.5 Incompatible materials**

Metals

### **10.6 Hazardous decomposition products**

No additional information available

## **Section 11: Toxicological information**

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

Acute toxicity: Inhalation: dust,mist: Harmful if inhaled.  
ATE CLP (dust,mist): 2.601 mg/l/4h  
Skin corrosion/irritation: Causes severe skin burns and eye damage. pH: 1  
Serious eye damage/irritation: Serious eye damage, category 1, implicit. pH: 1  
Respiratory or skin sensitisation: Not classified  
Germ cell mutagenicity: Not classified  
Carcinogenicity: Not classified  
Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified  
Specific target organ toxicity (repeated exposure): Not classified  
Aspiration hazard: Not classified

## Section 12: Ecological information

### **12.1 Toxicity**

Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether (Polymer\_DT03)  
LC50 fish 1: > 10 - 100 mg/l  
EC50 Daphnia 1: > 10 - 100 mg/l  
ErC50 (other aquatic plants): > 10 - 100 mg/l

### **12.2 Persistence and degradability**

No additional information available

### **12.3 Bioaccumulative potential**

No additional information available

### **12.4 Mobility in soil**

No additional information available

### **12.5 Results of PBT and vPvB assessment**

No additional information available

### **12.6 Other adverse effects**

No additional information available

## Section 13: Disposal considerations

### **13.1 Waste treatment methods**

No additional information available

## Section 14: Transport information

### **General**

#### **14.1 UN Number**

UN-No. (ADR/IMDG/IATA): 1789

#### **14.2 UN proper shipping name**

Proper Shipping Name (ADR/IMDG/IATA): HYDROCHLORIC ACID  
Transport document description (ADR): UN 1789 HYDROCHLORIC ACID, 8, II, (E)  
Transport document description (IMDG): UN 1789 HYDROCHLORIC ACID, 8, II

#### **14.3 Transport hazard class(es)**

Transport hazard class (ADR/IMDG/IATA): 8  
Danger labels (ADR/IMDG/IATA): 8 (Corrosive)

#### **14.4 Packing group**

Packing group (ADR/IMDG/IATA): II

#### **14.5 Environmental hazards**

Dangerous for the environment: No  
Marine pollutant: No

#### **14.6 Special precautions for user**

Overland transport  
Classification code (ADR) : C1  
Special provisions (ADR) : 520  
Limited quantities (ADR) : 1I  
Excepted quantities (ADR) : E2  
Packing instructions (ADR) : P001, IBC02  
Mixed packing provisions (ADR) : MP15  
Portable tank and bulk container instructions (ADR) : T8  
Portable tank and bulk container special provisions (ADR) : TP2  
Tank code (ADR) : L4BN  
Vehicle for tank carriage : AT

Transport category (ADR) : 2  
Hazard identification number (Kemler No.) : 80  
Orange plates: 80/1789  
Tunnel restriction code (ADR) : E  
EAC code : 2R

Transport by sea  
Limited quantities (IMDG) : 1 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P001  
IBC packing instructions (IMDG) : IBC02  
IBC special provisions (IMDG) : B20  
Tank instructions (IMDG) : T8  
Tank special provisions (IMDG) : TP2  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-B  
Stowage category (IMDG) : C

Air transport  
PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y840  
PCA limited quantity max net quantity (IATA) : 0.5L  
PCA packing instructions (IATA) : 851  
PCA max net quantity (IATA) : 1L  
CAO packing instructions (IATA) : 855  
CAO max net quantity (IATA) : 30L  
Special provisions (IATA) : A3  
ERG code (IATA) : 8L

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

IBC code: Not applicable

## **Section 15: Regulatory information**

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

EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: None of the components are listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

### **15.2 Chemical safety assessment**

No additional information available

## **Section 16: Other information**

Full text of H and EUH statements:

Acute Tox. 3 (Inhalation): Acute toxicity (inhal.), Category 3

Acute Tox. 4 (Inhalation:dust,mist): Acute toxicity (inhalation:dust,mist) Category 4

Acute Tox. 4 (Oral): Acute toxicity (oral), Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Category 1

Press. Gas: Gases under pressure

Skin Corr. 1A: Skin corrosion/irritation, Category 1A

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H331: Toxic if inhaled

H332: Harmful if inhaled

The responsibility to ensure safe working conditions within the workplace remains with the user. The information on this SDS is given as a guide to the precautions required to maintain a safe work environment. This product is for professional use only. Not for sale or resale to the general public. Use in applications other than those described above may give rise to risks not covered by the information on this SDS. The physical and chemical properties on this SDS are typical properties and are not a specification. Please report any errors.