

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

- 1.1. **Product identifier** : Leak Detector
- 1.2. **Relevant identified uses of the substance or mixture and uses advised against** : Leak detection fluid.  
Surface active agent.
- 1.3. **Details of the supplier of the safety data sheet** :  
ESAB AB, Box 8004, 402 77 Goteborg, Sweden. Sds.esab@esab.se
- 1.4. **Emergency telephone number** : +46 31 500900 office hours

## 2 Hazards identification

- 2.1 **Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.

- **Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **2.2 Label elements**

- **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives

- **Safety phrases:**

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

- **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

0.0 % by mass of the contents are flammable

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.



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## 3 Composition/information on ingredients

### · 3.1 Substances

#### · Additional information:

CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23 propane-1,2-diol substance with a Community workplace exposure limit

10-<25% CAS: 27306-90-7 Polymer Alkylethercarbonicacid Xi R41 Eye Dam. 1, H318 2.5-<10%

CAS: 7727-37-9 EINECS: 231-783-9 nitrogen Xn R68/20/21/22 Press. Gas, H281; STOT SE 2, H371 1.0-<2.5%

CAS: 1336-21-6 EINECS: 215-647-6 ammonia C R34; N R50 Skin Corr. 1B, H314; Aquatic Acute 1, H400 0.1-<1.0%

### · 3.2 Mixtures

· **Description:** Active substance with propellant

· **Dangerous components:** -

## 4 First aid measures

### · 4.1 Description of first aid measures

· **General information:** No special measures required.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

## 5 Fire fighting measures

### 5.1 Extinguishing media

#### · Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Water haze

Fire-extinguishing powder

Carbon dioxide

Use fire extinguishing methods suitable to surrounding conditions.

Alcohol resistant foam

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### · 5.3 Advice for firefighters

· **Protective equipment:** Mount respiratory protective device.

## 6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.

### · 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

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

Absorb liquid components with liquid-binding material.

### · 6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.



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## 7 Handling and storage

### · 7.1 Precautions for safe handling

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:** No special measures required.

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

#### · Storage:

#### · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packaging with pressurized containers.

#### · Information about storage in one common storage facility:

Observe official regulations on storing packaging with pressurized containers.

· **Further information about storage conditions:** None.

### · 7.3 Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

### · 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

#### 57-55-6 propane-1,2-diol

WEL Long-term value: 474\* 10\*\* mg/m<sup>3</sup>, 150\* ppm

\*total vapour and particulates \*\*particulates

· **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

#### · Personal protective equipment:

#### · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

#### · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter AX/P2

#### · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Always use eye protection

· **Body protection:** Not required

## 9 Physical and chemical properties

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

#### · General Information

#### · Appearance:

**Form:** Aerosol

**Colour:** According to product specification



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- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value at 20 °C:** 7.5
- **Change in condition**
- Melting point/Melting range:** Undetermined.
- Boiling point/Boiling range:** 100 °C
- **Flash point:** 104 °C
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 371 °C
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not self igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
- Lower:** 2.6 Vol %
- Upper:** 12.6 Vol %
- **Vapour pressure at 20 °C:** 23 hPa
- **Density at 20 °C:** 1.017 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
- Dynamic:** Not determined.
- Kinematic:** Not determined.
- **Solvent content:**
- Organic solvents:** 14.9 %
- Water:** 79.0 %
- **9.2 Other information** No further relevant information available.

## 10 Stability and reactivity

### 10.1 Reactivity

- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
- 27306-90-7 Alkylethercarbonicacid**
- Oral LD50 >2000 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects

## 12 Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

**27306-90-7 Alkylethercarbonicacid**

LC50/96h 7.5 mg/l (Fish)

### · 12.2 Persistence and degradability Easily biodegradable

### · 12.3 Bioaccumulative potential No further relevant information available.

### · 12.4 Mobility in soil No further relevant information available.

### · Additional ecological information:

#### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### · 12.6 Other adverse effects No further relevant information available.

## 13 Disposal considerations

### · 13.1 Waste treatment methods

· **Recommendation** Smaller quantities can be disposed of with household waste.

#### · Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

### · 14.1 UN-Number

· **ADR, IMDG, IATA UN1950**

### · 14.2 UN proper shipping name

· **ADR 1950 AEROSOLS**

· **IMDG AEROSOLS**

· **IATA AEROSOLS, non-flammable**

### · 14.3 Transport hazard class(es)

· **ADR**



· **Class 2 5A Gases.**

· **Label 2.2**

· **IMDG, IATA**



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- Class 2.2
- Label 2.2
- 14.4 Packing group
- ADR, IMDG, IATA Void
- 14.5 Environmental hazards:
- Marine pollutant: No
- 14.6 Special precautions for user Warning: Gases.
- Danger code (Kemler): -
- EMS Number: F-D,S-U
- Segregation groups Alkalies
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
- Transport/Additional information:
- ADR
- Limited quantities (LQ) 1L
- Transport category 3
- Tunnel restriction code E
- UN "Model Regulation": UN1950, AEROSOLS, 2.2

## 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - National regulations:
  - Technical instructions (air):
- Class Share in %  
Wasser 50-100  
NK 10-<25
- VOC-CH 14.89 %
  - VOC-EU 151.4 g/l
  - Danish MAL Code 5-3
  - 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

Refer to ESAB "Welding and Cutting - Risks and Measures", F52-529 "Precautions and Safe Practices for Electric Welding and Cutting" and F2035 "Precautions and Safe Practices for Gas Welding, Cutting and Heating" available from ESAB, and to:

UK: WMA Publication 236 and 237, "Hazards from Welding fume", "The arc welder at work, some general aspects of health and safety".

Germany: Unfallverhütungsvorschrift BGV D1, "Schweißen, Schneiden und verwandte Verfahren".

This Safety Data Sheet has been revised due to modifications to sections 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16. This SDS supersedes 1609/03.



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ESAB request the users of this product to study this Safety Data Sheet (SDS) and become aware of product hazards and safety information. To promote safe use of this product a user should:

- notify its employees, agents and contractors of the information on this SDS and any product hazards/safety information.
- furnish this same information to each of its customers for the product.
- request such customers to notify employees and customers for the same product hazards and safety information.

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