

# Material Safety Data Sheet in accordance with EC/1272/2008

## 1. Identification of the substance / preparation and company

### 1.1 Product Identifier

Product Nr.: R001069

SZ02K

Trade Name: Electrolyte Galvanic Oxygen

REACH Registration Number:

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: Reagent for chemical analysis in the laboratory.

### 1.3 Information provided by

Company: Consort b.v.b.a.

Hertenstraat 56 unit 9

2300 Turnhout

Belgium

Contact: Tel: +32 (0) 14 41 12 79

[support@consort.be](mailto:support@consort.be)

[info@consort.be](mailto:info@consort.be)

### 1.4 Emergency telephone:

Belgium: 070/245245

Other countries: Please check for the local poison control center.

## 2. Hazard identification

This product is not classified as dangerous according European Union legislation.

### 2.1 Classification of the substance or mixture

### 2.2 Label elements

### 2.3 Other hazards

## 3. Composition / Information on ingredients

| <u>Cas N°</u> | <u>%</u> | <u>Chemical Name</u> | <u>LD50 (mg/kg)</u> |
|---------------|----------|----------------------|---------------------|
| 1370-73-2     | 2.0%     | Sodium Hydroxide     | 500                 |
| 107-21-1      | 65.0%    | Ethylene Glycol      | >20                 |
| 7732-18-5     | 33.0%    | Water                | ---                 |

## 4. First aid measures

### 4.1 Description

- Inhalation: If symptoms occur, consult a physician.
- Skin: Rinse with water for at least 15 minutes.
- Eyes: Rinse with water for at least 15 minutes.
- Ingestion: Contact medical aid in case of ingestion.
- First Aid: Wash off contact area with water. Remove from exposure.

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

If swallowed, causes transient stimulation of the CNS, followed by depression, vomiting, drowsiness, coma, respiratory failure, convulsions and renal damage.

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

## 5. Firefighting measures

### 5.1 Extinguishing media:

Non flammable. If involved in fire, use H<sub>2</sub>O, carbon dioxide or dry chemical extinguisher, dry sand or dolomite.

### 5.2 Special hazards:

May be considered a fire hazard when exposed to powerful oxidizers.

### 5.3 Protective equipment:

Wear NIOSH/MSHA approved breathing apparatus, resistant clothing, hat, boots, gloves. If without risk, remove material from fire area.

## 6. Accidental release measures

### 6.1 Personal precautions:

Use rubber gloves, protective clothing and safety goggles.

### 6.2 Environmental precautions:

### 6.3 Cleaning methods:

Wash with plenty of water.

## 7. Handling and Storage

**Handling:** The product should be handled with usual care when dealing with chemicals.

**Storage:** Store at room temperature to protect the integrity of the product. Store in cool, dry ventilated area away from heat, sparks, open flame. Keep container tightly closed when not in use.

## 8. Exposure controls / personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

#### 8.2.2 Personal protective equipment

Use eye protection goggles.

#### 8.2.3 Environmental exposure controls

Wash with plenty of water.

## 9. Physical and Chemical properties

### 9.1 Information on basic physical and chemical properties

#### (a) Appearance

Colorless liquid

#### (b) Odour

Odourless

#### (c) Odour threshold

Does not apply

#### (d) pH

not determined

#### (e) Melting point / freezing point

-50° C

#### (f) Boiling point

+140° C

#### (g) Flash point

+110° C

#### (h) Evaporation rate

No data is available

#### (i) Flammability (solid, gas)

Does not apply, substance is a liquid.

*(j) Upper/lower flammability or explosive limits*

*(k) Vapour pressure*

0.05 mm at 20° C

*(l) Vapour density*

2.14

*(m) Relative density*

*(n) Solubility*

*(o) Partition coefficient: n-octanol/water*

*(p) Auto-ignition temperature*

*(q) Decomposition temperature*

*(r) Viscosity*

*(s) Explosive properties*

Does not apply, substance is not explosive.

*(t) Oxidising properties*

## 10. Stability and reactivity

### 10.1 Reactivity

No hazardous reactivity is known for this product or its ingredients.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

Avoid excessive heat

### 10.5 Incompatible materials

Oxidisers, acids.

### 10.6 Hazardous decomposition products

## 11. Toxicological information

*Acute toxicity:*

See table of Ingredients in Section 3

*Skin corrosion/Irritation:*

*Serious eye damage/irritation:*

*Respiratory or skin sensitisation:*

*Germ cell mutagenicity:*

*Carcinogenicity:*

*Reproductive toxicity:*

*Specific target organ toxicity (single exposure):*

*Specific target organ toxicity (repeated exposure):*

*Aspiration hazard:*

## 12. Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

### 12.3 Bioaccumulative potential

### 12.4 Mobility in soil

## 12.5 Results of PBT and vPvB assessment

## 12.6 Other adverse effects

# 13. Disposal considerations

## 13.1 Waste treatment methods

### 13.1.1 Product / Packaging disposal

Product remainders and the packaging must be disposed of in line with the local regulation.

# 14. Transport information

## 14.1 UN number

## 14.2 UN proper shipping name

Non dangerous goods.

## 14.3 Transport hazard class(es)

## 14.4 Packing group

## 14.5 Environmental hazards

No

## 14.6 Special precautions for user

## 14.7 Transport in bulk

# 15. Regulatory information

This safety data sheet is in accordance with the EC regulation 1907/2006

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

No data available

## 15.2 Chemical Safety Assessment

There has no chemical safety assessment been carried out.

# 16. Other information

### Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

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