

**1 IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY**

**1.1 Product identifier**

Product Name: **Sparkel**

**1.2 Relevant identified uses of the substance or mixture and uses advised against  
Identified uses:**

**Glass Cleaner** - For professional use only

**Uses advised against:**

Uses other than those identified are not recommended

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

Company Name: Gannon Chemicals Ltd  
Ballindine, Claremorris  
Co. Mayo, Ireland  
Email address of SDS author: paul@gannonchemicals.ie  
Emergency Phone Number: 094 9364011 DAY (Mon – Fri 9am to 5.30pm)

**2 HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

*Classification according to Regulation (EC) No 1272/2008*

Flammable liquids (Category 2), H225

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336.

*Classification according to EU Directives 67/548/EEC or 1999/45/EC*

F Highly flammable R11

Xi Irritant R36, R67

For the full text of the R-phrases mentioned in this Section, see Section 16.

**2.2 Label elements**

*Labelling according Regulation (EC) No 1272/2008*

Pictogram



Signal word

Warning

**Hazard statement(s)**

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

**Precautionary statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P261 Avoid breathing vapours.

P280 Wear protective gloves/protective clothing/eye protection/face protection

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

Supplemental Hazard - None

*Labelling according Regulation 67/548/EEC or 1999/45/EC*

**Indication of danger**

Xi – Irritant

**2.2 Label elements**

Xi – Irritant

**Risk phrases:**

R41 - Risk of serious damage to eyes.

R67 - Vapours may cause drowsiness and dizziness.

**Safety phrases:**

S23d - Do not breathe spray.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 - Wear eye/face protection

S51 - Use only in well-ventilated areas.

**Further indications on the label:**

Rinse and dry hands after use. For prolonged contact, protection for the skin may be necessary.

R36 - Irritating to eyes.

**2.3 Other hazards**

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

| Product/Ingredient Name                     | CAS No.  | Weight % | Classification 67/548/EEC   | Regulation (EC) No 1272/2008 [CLP]  |
|---|----------|----------|-----------------------------|---|
| Propan-2-ol                                 | 67-63-0  | 5 - 15   | F; R11<br>Xi; R36, R67      | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336   |
| 2-Butoxyethanol                             | 111-76-2 | 5 - 15   | Xn; R20/21/22<br>Xi; R36/38 | Acute Tox. 4: H302<br>Acute Tox. 4: H312<br>Acute Tox. 4: H332<br>Skin Irrit. 2: H315<br>Eye Irrit. 2: H319 |
| Bis(2-ethylhexyl) sulfosuccinatesodium salt | 577-11-7 | 1-5      | Xi, R38 - R41               | Skin Irrit. 2; H315<br>Eye Dam. 1; H318   |

**4 FIRST AID MEASURES**

**4.1 Description of first aid measures**

- |  |   |
|--|---|
| 4.1.1 General Information                | Immediately remove contaminated clothing.   |
| 4.1.2 Following Inhalation               | Keep patient calm, remove to fresh air, and seek medical attention.   |
| 4.1.3 following skin contact             | Wash thoroughly with soap and water.  |
| 4.1.4 Following Eye Contact              | Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. |
| 4.1.5 Following Ingestion                | Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.                               |
| 4.1.6 Self-protection of the first aider |   |

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

Symptoms: Eye irritation, skin irritation

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**5 FIRE FIGHTING MEASURES**

**5.1 Extinguishing media:**

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:

## 5.2 Special hazards arising from the substance or mixture

Harmful vapours

Evolution of fumes/fog, Carbon oxides. The substances/groups of substances mentioned can be released in case of fire.

## 5.3 Advice for fire-fighters

Special protective equipment: Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

## 5.4 Additional information

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

# 6 ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Information regarding personal protective measures see, chapter 8.

## 6.2 Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

## 6.3 Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

## 6.4 Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

# 7 HANDLING AND STORAGE

- |            |  |  |
|------------|--|--|
| <b>7.1</b> | Precautions for safe handling                                | Ensure there is sufficient ventilation of the area.  |
| <b>7.2</b> | Conditions for safe storage, including any incompatibilities | Store at normal room temperature and keep container tightly closed. Keep out of reach of children. No special precautions necessary for protection against fire and explosion. Store away from strong acids. |
| <b>7.3</b> | Precautions for safe handling                                | For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.   |

# 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

## 8.1. Control parameters

Components with workplace control parameters

| Component       | CAS No.  | Value              | Control Parameters             | Basis  |
|-----------------|----------|--------------------|--------------------------------|--|
| Propan-2-ol     | 67-63-0  | OELV - 8 hrs (TWA) | 200 ppm                        | Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1                               |
| 2-Butoxyethanol | 111-76-2 | TWA                | 20 ppm<br>98 mg/m <sup>3</sup> | Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |

## 8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

### Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): nitrile rubber (NBR) - 0.4 mm coating thickness.

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

### Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

### Body protection:

Impervious clothing, Flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### General safety and hygiene measures

Wearing of closed work clothing is recommended. Handle in accordance with good industrial hygiene and safety practice.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

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

|     |                                      |   |
|-----|--------------------------------------|---|
| (a) | Form                                 | Liquid                                      |
| (b) | Colour                               | Blue  |
| (c) | Odour                                | Alcohol-like                                |
| (d) | pH value(1% solution)                | 7.0   |
| (e) | Melting point/range (°C):            | Not Determined                              |
| (f) | Initial boiling point/range (°C):    | 82 °C - lit.                                |
| (g) | Decomposition temperature (°C)       | The mixture is not classified self-reactive |
| (h) | Flash point (°C):                    | 25 °C                                       |
| (i) | Ignition temperature (°C)            | Not Determined                              |
| (j) | Vapour pressure (hPa) at ...°C)      | Not Determined                              |
| (k) | Vapour density (air=1)               | Not Determined                              |
| (l) | Density (g/cm <sup>3</sup> ) at 20°C | 0.9   |
| (m) | Bulk density (kg/m <sup>3</sup> )    | Not Determined                              |
| (n) | Water solubility (20°C in g/l)       | Completely                                  |
| (o) | Solubility(ies):                     | Not Determined                              |
| (p) | Partition coefficient                | log Pow: 0.05                               |
| (q) | Viscosity, dynamic (mPa s):          | Not Determined                              |

### 9.2 Other information

## 10 STABILITY AND REACTIVITY

### 10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3 Possibility of hazardous reactions

Solvent vapours may form explosive mixtures with air.

### 10.4 Conditions to avoid

See MSDS section 7 - Handling and storage.

### 10.5 Incompatible materials

Substances to avoid: Halogens, Acids, Reactive Chemicals

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## 11 TOXICOLOGICAL INFORMATION

### 11.2.2 Mixtures

No test data is available on the mixture.

Substance data, where relevant and available, are listed below

| Substance                                   | Acute toxicity  | Skin corrosion/irritation                          | Serious eye damage/eye irritation                               | Respiratory or skin sensitisation |
|---|---|--|---|-----------------------------------|
| Propan-2-ol                                 | LD50 Oral - rat - 5,045 mg/kg<br>LC50 Inhalation - rat - 8 h - 16000 ppm<br>LD50 Dermal - rabbit - 12,800 mg/kg | Skin - rabbit<br>Result: Mild skin irritation      | Eyes - rabbit<br>Result: Eye irritation - 24 h                  | No Data Available                 |
| 2-Butoxyethanol                             | LD50 Oral - rat - 470 mg/kg<br>LC50 Inhalation - rat - 4 h - 450 ppm  | Skin - rabbit<br>Result: Open irritation test      | Eyes - rabbit<br>Result: Moderate eye irritation-24 h           | No Data Available                 |
| Bis(2-ethylhexyl) sulfosuccinatesodium salt | LD50 Oral - rat - male and female - > 3,000 mg/kg<br>LD50 Dermal - rabbit - male - > 10,000 mg/kg               | Skin - rabbit<br>Result: Irritating to skin. - 4 h | Eyes - rabbit<br>Result: Risk of serious damage to eyes. - 72 h | No Data Available                 |

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## 12 ECOLOGICAL INFORMATION

| Substance                                   | Toxicity  | Persistence and Degradability | Bioaccumulative potential                             | Mobility in soil  |
|---|---|-------------------------------|---|-------------------|
| Propan-2-ol                                 | LC50 - Pimephales promelas (fathead minnow) 9,640.00 mg/l 96h<br>EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h | No Data Available             | No Data Available                                     | No Data Available |
| 2-Butoxyethanol                             | LC50 - other fish - 220 mg/l - 96 h<br>EC50 - Daphnia magna (Water flea) - 1,815 mg/l - 24 h                              | Ratio BOD/ThBOD 88 %          | No Data Available                                     | No Data Available |
| Bis(2-ethylhexyl) sulfosuccinatesodium salt | LC50 - Danio rerio (zebra fish) - 49 mg/l - 96 h  | Aerobic - Exposure time 28 d  | Oncorhynchus mykiss (rainbow trout) - 72 h - 5.5 µg/l | No Data Available |

|  |  |   |                                     |  |
|--|--|---|-------------------------------------|--|
|  |  | Result: 91.2 % - Readily biodegradable. | Bioconcentration factor (BCF): 3.78 |  |
|--|--|---|-------------------------------------|--|

**Results of PBT and vPvB assessment**

The product does not fulfil the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

**13 DISPOSAL**

This product does not contain any prescribed substance under the Environmental Protection Act (Prescribed Processes and Substances) Regulations 1991 and is not classified as special waste under the Control of Substances (Special Waste) Regulations 1996, but is classified as controlled waste under the Environmental Protection Act 1990. For small quantities, dilute with water to at least 2.5% w/v (25 g/litre) and pour down a wastewater drain (foul sewer). Rinse out containers at least twice and recycle if facilities exist or dispose of as commercial waste. For larger quantities dispose of safely as commercial waste.

**13.1 Waste treatment methods**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

**14 TRANSPORT INFORMATION**



**ADR, RID, ADN, IMO/IMDG, ICAO/IATA**

- 14.1 UN number: 1987
- 14.2 UN proper shipping name: Alcohols, N.O.S. (Propan-2-ol, 2-Butoxyethanol)
- 14.3 Transport hazard class(es):  
 Class: 3  
 Label(s): 3
- 14.4 Packing group: III
- 14.5 Environmental hazards:  
 Environmentally hazardous: No  
 Marine pollutant: No
- 14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: The product is not transported in bulk tankers.

**Other relevant information:**

**ADR**

- Classification code: F1
- Tunnel restriction code: D/E
- Hazard identification number: 33

**IMO/IMDG**

**EmS: F-A, S-B**

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

**15 REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

No data available

#### Ingredients according to EC Detergents Regulation 648/2004

Anionic surfactants. 1 – 5%

#### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

|                             |
|-----------------------------|
| <b>16 OTHER INFORMATION</b> |
|-----------------------------|

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

#### Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

#### Abbreviations and acronyms:

- STOT - Specific Target Organ Toxicity
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate

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