# SAFETY DATA SHEET
# TRIDENT

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

### 1.1. Product identifier

**Product name** TRIDENT

**Product number** C010 EV

**Internal identification** Janitorial

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

**Identified uses** Multi use sanitising powder.

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

**Supplier**

Evans Vanodine International
Brierley Road
Walton Summit
Preston. UK. PR5 8AH
Tel: 01772 322 200
Fax: 01772 626 000
qclab@evansvanodine.co.uk

### 1.4. Emergency telephone number

**Emergency telephone** New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website www.evansvanodine.co.uk) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Eye Dam. 1 - H318

**Environmental hazards** Aquatic Chronic 2 - H411

### 2.2. Label elements

**Pictogram**

**Signal word** Danger

**Hazard statements** H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

# TRIDENT

**Precautionary statements**

P102 Keep out of reach of children.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P235+P410 Keep cool. Protect from sunlight.
P301 IF SWALLOWED:
P313 Get medical advice/ attention.
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.
P402+P404 Store in a dry place. Store in a closed container.
P501 Dispose of contents/ container in accordance with local regulations.

**Supplemental label information**

EUH031 Contact with acids liberates toxic gas.

**Contains**

ALKYL BENZENE SULPHONIC ACID, Na-SALT, TROCLOSENE SODIUM, DIHYDRATE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**SODIUM CARBONATE** **25-30%**

CAS number: 497-19-8 EC number: 207-838-8

**Classification**
Eye Irrit. 2 - H319

**ALKYL BENZENE SULPHONIC ACID, Na-SALT** **5-10%**

CAS number: 85117-50-6 EC number: 285-600-2

**Classification**
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318

**TROCLOSENE SODIUM, DIHYDRATE** **3-5%**

CAS number: 51580-86-0 EC number: 220-767-7

M factor (Acute) = 1 M factor (Chronic) = 1

**Classification**
Acute Tox. 4 - H302
Eye Irrit. 2 - H319
STOT SE 3 - H335
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

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| SODIUM SILICATE | 3-5% |
|---|---|
| CAS number: — | |
| **Classification**<br>Skin Irrit. 2 - H315<br>Eye Dam. 1 - H318 | |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Remove person to fresh air and keep comfortable for breathing.

**Ingestion** Do not induce vomiting. Give plenty of water to drink. Get medical attention.

**Skin contact** Wash with plenty of water.

**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

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

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** No specific symptoms known.

**Ingestion** No specific symptoms known. But - May cause discomfort if swallowed.

**Skin contact** No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.

**Eye contact** Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

**Specific hazards** Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear eye and face protection. Avoid inhalation of dust. For personal protection, see Section 8.

### 6.2. Environmental precautions

**Environmental precautions** This product is dangerous for the environment: Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Wear eye protection. Avoid inhalation of dust. Never add water directly to this product as it may cause a vigorous reaction or boiling. Always dilute by carefully pouring the product into water. DO NOT mix with other chemicals. Contact with acids liberates toxic gas.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** See Product Information Sheet & Label for detailed use of this product.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits**

**SODIUM CARBONATE**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
WEL = Workplace Exposure Limit

### 8.2. Exposure controls

**Protective equipment**

**Appropriate engineering controls** Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.

**Eye/face protection** Wear eye protection.

**Hand protection** No specific hand protection recommended. For prolonged or repeated skin contact use suitable protective gloves.

**Other skin and body protection** None required.

**Respiratory protection** Respiratory protection not required.

## SECTION 9: Physical and Chemical Properties

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

# TRIDENT

| | |
|---|---|
| **Appearance** | Powder. |
| **Colour** | Blue. |
| **Odour** | Faint Chlorine. |
| **pH** | pH (diluted solution): 10.5 - 11.5 @ 1% |
| **Melting point** | Not applicable. |
| **Initial boiling point and range** | Not applicable. |
| **Flash point** | Not applicable. |
| **Relative density** | Not applicable. |
| **Solubility(ies)** | Soluble in water. |

### 9.2. Other information

| | |
|---|---|
| **Other information** | None. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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|---|---|
| **Reactivity** | Generates toxic gas in contact with acid. The product will harden into a solid mass in contact with water and moisture. |

### 10.2. Chemical stability

| | |
|---|---|
| **Stability** | No particular stability concerns. |

### 10.3. Possibility of hazardous reactions

| | |
|---|---|
| **Possibility of hazardous reactions** | See sections 10.1,10.4 & 10.5 |

### 10.4. Conditions to avoid

| | |
|---|---|
| **Conditions to avoid** | Avoid exposure to high temperatures or direct sunlight. The product will harden into a solid mass in contact with water and moisture. |

### 10.5. Incompatible materials

| | |
|---|---|
| **Materials to avoid** | Strong acids. Aluminium, Tin, Zinc and their alloys. |

### 10.6. Hazardous decomposition products

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|---|---|
| **Hazardous decomposition products** | Toxic chlorine gas can be released if heated. |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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|---|---|
| **Toxicological effects** | We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer. |
| **Other health effects** | Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract. |

### Acute toxicity - oral

| | |
|---|---|
| **Notes (oral $LD_{50}$)** | Based on available data the classification criteria are not met. |
| **ATE oral (mg/kg)** | 6,202.53164557 |

## SECTION 12: Ecological Information

**Ecotoxicity** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

**Toxicity** We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

### 12.2. Persistence and degradability

**Persistence and degradability** Rapidly degrades to Sodium Chloride by chemical reaction with organic matter in effluent.

### 12.3. Bioaccumulative potential

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

### 12.4. Mobility in soil

**Mobility** Not known.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

## SECTION 14: Transport information

**General** Not classified for Transport.

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

## SECTION 15: Regulatory information

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

**EU legislation** Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).
The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

### 15.2. Chemical safety assessment

# TRIDENT

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

## SECTION 16: Other information

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|---|---|
| **Abbreviations and acronyms used in the safety data sheet** | PBT: Persistent, Bioaccumulative and Toxic substance.<br>vPvB: Very Persistent and Very Bioaccumulative.<br>ATE: Acute Toxicity Estimate.<br>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.<br>GHS: Globally Harmonized System. |
| **Classification abbreviations and acronyms** | Acute Tox. = Acute toxicity<br>Aquatic Acute = Hazardous to the aquatic environment (acute)<br>Aquatic Chronic = Hazardous to the aquatic environment (chronic)<br>Eye Dam. = Serious eye damage<br>Eye Irrit. = Eye irritation<br>Skin Irrit. = Skin irritation<br>STOT SE = Specific target organ toxicity-single exposure |
| **Key literature references and sources for data** | Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&L Inventory database. |
| **Classification procedures according to Regulation (EC) 1272/2008** | Calculation Method. |
| **Revision comments** | Addition of missing icon in section 8 (changes made to sections 8&16) |
| **Revision date** | 10/01/2018 |
| **Revision** | 6 |
| **SDS status** | The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2. |
| **Hazard statements in full** | H302 Harmful if swallowed.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H335 May cause respiratory irritation.<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects.<br>H411 Toxic to aquatic life with long lasting effects. |