



## SAFETY DATA SHEET TRIDENT

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

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#### 1.1. Product identifier

**Product name** TRIDENT  
**Product number** C010 EV  
**Internal identification** Janitorial - Catering & Disinfectant Sections

#### 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. 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](http://www.evansvanodine.co.uk)) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

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### SECTION 2: Hazards identification

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#### 2.1. Classification of the substance or mixture

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Eye Dam. 1 - H318

##### Environmental hazards

Aquatic Chronic 2 - H411

##### Classification (67/548/EEC or 1999/45/EC)

Xi;R36. R31,R52/53.

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements**

**TRIDENT**

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

**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**

<b>SODIUM CARBONATE</b>		<b>25-30%</b>
CAS number: 497-19-8 EC number: 207-838-8		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Eye Irrit. 2 - H319	Xi;R36	
<b>ALKYL BENZENE SULPHONIC ACID, Na-SALT</b>		<b>5-10%</b>
CAS number: 85117-50-6 EC number: 285-600-2		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R22. Xi;R41,R38.	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
<b>TROCLOSENE SODIUM, DIHYDRATE</b>		<b>3-5%</b>
CAS number: 51580-86-0 EC number: 220-767-7		
M factor (Acute) = 1 M factor (Chronic) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R22 Xi;R36/37 R31 N;R50/53	
Eye Irrit. 2 - H319		
STOT SE 3 - H335		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
<b>SODIUM SILICATE</b>		<b>3-5%</b>
CAS number: — EC number: —		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xi;R38,R41.	
Eye Dam. 1 - H318		

## TRIDENT

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

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### SECTION 4: First aid measures

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#### 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.

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### SECTION 5: Firefighting measures

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#### 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.

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### SECTION 6: Accidental release measures

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#### 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.

## TRIDENT

### **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.

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## **SECTION 7: Handling and storage**

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### **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.

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## **SECTION 8: Exposure Controls/personal protection**

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### **8.1. Control parameters**

#### **Occupational exposure limits**

#### **SODIUM CARBONATE**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### **8.2. Exposure controls**

#### **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.

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## **SECTION 9: Physical and Chemical Properties**

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

#### **Appearance**

Powder.

#### **Colour**

Blue.

#### **Odour**

## TRIDENT

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.

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## SECTION 10: Stability and reactivity

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### 10.1. 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

See sections 10.1,10.4 & 10.5

### 10.4. 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

Toxic chlorine gas can be released if heated.

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## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

#### 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 LD50)

Based on available data the classification criteria are not met.

#### ATE oral (mg/kg)

6,202.53164557

**TRIDENT**

**SECTION 12: Ecological Information**

**Ecotoxicity**

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

**12.1. 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**

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**

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

**12.6. 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**

Proper shipping name (ADR/RID)

Proper shipping name (IMDG)

Proper shipping name (ICAO)

Proper shipping name (ADN)

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

ICAO subsidiary risk

**14.4. Packing group**

**14.5. Environmental hazards**

**14.6. Special precautions for user**

Emergency Action Code

Hazard Identification Number (ADR/RID)

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

## TRIDENT

### 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 453/2010 (which amends Regulation (EC) No 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 both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

##### Guidance

Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC. ECHA - C&L Inventory database.

#### Revision comments

Transport Regulations Changed – this product is now Not Classified for Transport. & This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

**Revision date** 24/02/2015

**Revision** Issue 4

**SDS status** The Risk Phrases / 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 Risk Phrases / Hazard Statements relating to this Product see Section 2.

#### Risk phrases in full

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas.

R36 Irritating to eyes.

R36/37 Irritating to eyes and respiratory system.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Hazard statements in full

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.