



## SAFETY DATA SHEET GLAZE POWDER

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

#### 1.1. Product identifier

**Product name** GLAZE POWDER  
**Product number** C042 EV  
**Internal identification** Janitorial - Catering Section

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

**Identified uses** Alkaline Chlorine based Powdered detergent for Dish & Glass washing machines

#### 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

### SECTION 2: Hazards identification

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

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335

##### Environmental hazards

Aquatic Chronic 2 - H411

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

Xi;R36/38. R31,R52/53.

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements**

**GLAZE POWDER**

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.

P260 Do not breathe dust.

P271 Use only outdoors or in a well-ventilated area.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep 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.

P315 Get immediate medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local regulations.

**Supplemental label information**

EUH031 Contact with acids liberates toxic gas.

**Contains**

DISODIUM METASILICATE, 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>30-60%</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>DISODIUM METASILICATE</b>		<b>5-10%</b>
CAS number: 6834-92-0 EC number: 229-912-9		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Corr. 1B - H314	C;R34 Xi;R37	
Eye Dam. 1 - H318		
STOT SE 3 - H335		
<b>TRISODIUM (ORTHO) PHOSPHATE</b>		<b>5-10%</b>
CAS number: 10101-89-0 EC number: —		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
STOT SE 3 - H335		

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<b>PENTASODIUM TRIPHOSPHATE</b>		<b>5-10%</b>
CAS number: 7758-29-4 EC number: 231-838-7		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	-	
Eye Irrit. 2 - H319		
STOT SE 3 - H335		
<b>SODIUM SILICATE</b>		<b>1-3%</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		
<b>TROCLOSENE SODIUM, DIHYDRATE</b>		<b>1-3%</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		

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**

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion**

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

**Skin contact**

Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.

**Eye contact**

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

**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**

Irritation of nose, throat and airway.

**Ingestion**

May cause chemical burns in mouth and throat.

**Skin contact**

Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

**Eye contact**

Severe irritation, burning, tearing and blurred vision. Prolonged contact causes serious eye and tissue damage.

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

**Notes for the doctor**

## GLAZE POWDER

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 protective clothing, gloves, 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: Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into 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 protective clothing, gloves, eye and face 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.

#### 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

## GLAZE POWDER

### SODIUM CARBONATE

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

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

The following protection should be worn: Chemical splash goggles or face shield.

##### Hand protection

Wear protective gloves. (Household rubber gloves.)

##### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

##### Respiratory protection

Respiratory protection not required.

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

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

##### Appearance

Granules. Powder.

##### Colour

White.

##### Odour

Characteristic. 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**

#### 10.1. Reactivity

Reacts violently with strong acids. The product will harden into a solid mass in contact with water and moisture.

#### 10.2. Chemical stability

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### 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)

29,400.0

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## SECTION 12: Ecological Information

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### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### 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.

**GLAZE POWDER**

**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** Please note : Product in pack size of 5 kilo or less is classed as a "Limited Quantity" for Transport and so will have the white with black points Transport hazard diamond. Pack size greater than 5 kilo will have the black and white Transport hazard diamond.

**14.1. UN number**

UN No. (ADR/RID) 3262

UN No. (IMDG) 3262

UN No. (ICAO) 3262

**14.2. UN proper shipping name**

**Proper shipping name (ADR/RID)** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate and troclosene sodium, dihydrate)

**Proper shipping name (IMDG)** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate and troclosene sodium, dihydrate)

**Proper shipping name (ICAO)** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate and troclosene sodium, dihydrate)

**Proper shipping name (ADN)** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate and troclosene sodium, dihydrate)

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

**ADR/RID class** Class 8: Corrosive substances.

**ADR/RID label** 8

**IMDG class** Class 8: Corrosive substances.

**ICAO class/division** Class 8: Corrosive substances.

**ICAO subsidiary risk**

**14.4. Packing group**

**ADR/RID packing group** III

**IMDG packing group** III

**ICAO packing group** III

**14.5. Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

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

**Emergency Action Code**

**Hazard Identification Number (ADR/RID)**

**Tunnel restriction code** (E)

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

Not relevant. for a packaged product.

## GLAZE POWDER

### 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

Change to Transport Classification. (Changes made to sections 14 & 16) Now not a Marine Pollutant. & This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

<b>Revision date</b>	19/02/2015
<b>Revision</b>	Issue 9
<b>SDS status</b>	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.  
 R34 Causes burns.  
 R36 Irritating to eyes.  
 R36/37 Irritating to eyes and respiratory system.  
 R36/38 Irritating to eyes and skin.  
 R37 Irritating to respiratory system.  
 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.  
 H314 Causes severe skin burns and eye damage.  
 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.