# SAFETY DATA SHEET
# DESTAIN

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

### 1.1. Product identifier

**Product name** DESTAIN

**Product number** 04-313

**Internal identification** Professional Hygiene

**UFI** UFI: 8W2M-P1VP-UG0D-XDQV

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

**Identified uses** Tannin remover Suitable for use in the food Industry.

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

**Supplier**

UK Supplier:
Evans Vanodine International plc
Brierley Road,
Walton Summit,
Preston. UK. PR5 8AH
Tel: 01772 322 200
e-mail: productcompliance@evansvanodine.co.uk

EU Supplier:
Evans Vanodine Europe
6-9 Trinity Street, Dublin 2.
D02 EY47.
Republic of Ireland.

### 1.4. Emergency telephone number

**Emergency telephone** New Safety Data Sheets - 01772 322 200 - Mon to Thur. 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website www.evansvanodine.co.uk) For Technical Advice about this SDS - 01772 318 818 - Mon to Thur 8.30am to 4.45pm - Fri 8.30am to 1.30pm

**National emergency telephone number** For Health Care Professionals only -
For use in UK: Contact the National Poisons Information Service for further advice.
For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166). .
For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (SI 2019 No. 720)**

**Physical hazards** Not Classified

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

**Environmental hazards** Aquatic Chronic 2 - H411

### 2.2. Label elements

**Hazard pictograms**

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| | |
|---|---|
| **Signal word** | Danger |
| **Hazard statements** | H314 Causes severe skin burns and eye damage.<br>H335 May cause respiratory irritation.<br>H411 Toxic to aquatic life with long lasting effects. |
| **Precautionary statements** | P102 Keep out of reach of children.<br>P260 Do not breathe dust.<br>P271 Use only outdoors or in a well-ventilated area.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.<br>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P315 Get immediate medical advice/ attention.<br>P403+P233 Store in a well-ventilated place. Keep container tightly closed.<br>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 (Sodium Dichloroisocyanurate 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** **30-60%**

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

**Classification**
Eye Irrit. 2 - H319

**PENTASODIUM TRIPHOSPHATE** **5-10%**

CAS number: 7758-29-4 EC number: 231-838-7

**Classification**
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335

**DISODIUM METASILICATE** **5-10%**

CAS number: 6834-92-0 EC number: 229-912-9

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

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| TROCLOSENE SODIUM, DIHYDRATE (Sodium Dichloroisocyanurate 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

| SODIUM SILICATE | 1-3% |
|---|---|
| CAS number: — | |

**Classification**
Skin Irrit. 2 - H315
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** 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 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

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**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. For personal protection, see Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Toxic to aquatic life with long lasting effects. 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. 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. Store away from the following materials: Acids.

### 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

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**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. |

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Appearance** | Powder. |
| **Colour** | White. |
| **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** | Boils without flashing. |
| **Relative density** | Not applicable. |
| **Solubility(ies)** | Soluble in water. |

### 9.2. Other information

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

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

| | |
|---|---|
| **Reactivity** | Reacts violently with strong acids. Generates toxic gas in contact with acid. The product reacts with water and will generate heat. 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. |

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### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 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 $LD_{50}$)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 14,700.01

## SECTION 12: Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects. Another potential hazard is from the alkalinity of the product.

### 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

### 14.1. UN number

**UN No. (ADR/RID)** 3262

**UN No. (IMDG)** 3262

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| | |
|---|---|
| **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) |

## 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. |

**Transport labels**


## 14.4. Packing group

| | |
|---|---|
| **ADR/RID packing group** | II |
| **IMDG packing group** | II |
| **ICAO packing group** | II |

## 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

## 14.6. Special precautions for user

| | |
|---|---|
| **EmS** | F-A, S-B |
| **Tunnel restriction code** | (E) |

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

| | |
|---|---|
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not relevant. for a packaged product. |

## SECTION 15: Regulatory information

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

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| | |
|---|---|
| **EU legislation** | Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.".<br>The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".<br>Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.". |

### 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

| | |
|---|---|
| **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>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.<br>IMDG: International Maritime Dangerous Goods.<br>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.<br>REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.<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 Corr. = Skin corrosion<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 labelling of hazardous substances. ECHA - C&L Inventory database. |
| **Classification procedures according to SI 2019 No. 720** | Calculation Method. |
| **Revision comments** | Is now a Marine Pollutant for Transport. |
| **Revision date** | 09/06/2022 |
| **Revision** | 10 |
| **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. |

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**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.