

# SAFETY DATA SHEET

DRAINASTIC

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Compilation date: 13/07/2007

Revision date: 24/08/2021

Revision No: 4

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

### 1.1. Product identifier

**Product name:** DRAINASTIC

**CAS number:** 1310-73-2

**EINECS number:** 215-185-5

**Index number:** 011-002-00-6

**Product code:** 045RM/054A

**Synonyms:** SODIUM HYDROXIDE SOLUTION

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

**Use of substance / mixture:** Strong alkali solution which dissolves grease and slime to unblock waste water drains.  
Industrial application. PC20: Products such as pH-regulators, flocculants, precipitants, neutralization agents. PC21: Laboratory chemicals. PC37: Water treatment chemicals.

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

**Company name:** Multex Chemicals Ltd.

Multex House

Cannon Street

HULL

East Yorkshire

HU2 OAB

**Tel:** 01482 320432

**Fax:** 01482 321777

**Email:** info@multexchemicals.co.uk

### 1.4. Emergency telephone number

**Emergency tel:** 01482 320432

(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Skin Corr. 1A: H314; Met. Corr. 1: H290

**Most important adverse effects:** Causes severe skin burns and eye damage. May be corrosive to metals.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** \* H314: Causes severe skin burns and eye damage.

H290: May be corrosive to metals.

[cont...]

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**Hazard pictograms:** GHS05: Corrosion



**Signal words:** Danger

**Precautionary statements:** P260: Do not breathe fumes/vapours/spray.  
P262: Do not get in eyes, on skin, or on clothing.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P309: IF exposed or if you feel unwell:  
P313: Get medical advice/attention.  
P363: Wash contaminated clothing before reuse.  
P390: Absorb spillage to prevent material damage.  
P405: Store locked up.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

SODIUM HYDROXIDE - REACH registered number(s): 01-2119457892-27

| EINECS    | CAS       | PBT / WEL | CLP Classification  | Percent |
|-----------|-----------|-----------|---------------------|---------|
| 215-185-5 | 1310-73-2 | -         | Skin Corr. 1A: H314 | 30-50%  |

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor. Launder clothing before re-use.

**Eye contact:** Remove Contact Lenses. Bathe the eye with running water for 15 minutes. Seek Immediate Medical attention

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**Ingestion:** Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** Avoid breathing spray. There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** Not combustible Corrosive. Contact with some metals may liberate flammable hydrogen gas.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific

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substance. For small spillages, Neutralise with dilute hydrochloric acid. Wash the spillage site with large amounts of water. or For large spillages Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Keep container tightly closed. Avoid incompatible materials and conditions - see section 10 of SDS.

**Suitable packaging:** Must only be kept in original packaging. Do not use aluminium containers.

### 7.3. Specific end use(s)

**Specific end use(s):** Use undiluted to dissolve greasy dirt from blocked or partly blocked drains. When cleared, rinse thoroughly.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**SODIUM HYDROXIDE**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA | 15 min. STEL        | 8 hour TWA | 15 min. STEL |
|-------|------------|---------------------|------------|--------------|
| UK    | -          | 2 mg/m <sup>3</sup> | -          | -            |

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Avoid breathing spray.

**Hand protection:** Impermeable gloves.

**Eye protection:** Tightly fitting safety goggles. Face-shield. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

## Section 9: Physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**Solubility in water:** Highly soluble

**Also soluble in:** Ethanol. Methanol.

**Viscosity:** Non-viscous

**Boiling point/range°C:** 142

**Relative density:** 1.35

**pH:** highly alkaline

## 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Aluminium. Zinc. Leather Textiles

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**SODIUM HYDROXIDE**

|     |     |      |     |       |
|-----|-----|------|-----|-------|
| IPR | MUS | LD50 | 40  | mg/kg |
| ORL | RBT | LD50 | 325 | mg/kg |

**Relevant hazards for product:**

|        |       |       |
|--------|-------|-------|
| Hazard | Route | Basis |
|--------|-------|-------|

[cont...]

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|                               |     |                       |
|-------------------------------|-----|-----------------------|
| Skin corrosion/irritation     | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |

## Symptoms / routes of exposure

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** Avoid breathing spray. There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

| Species | Test     | Value | Units |
|---------|----------|-------|-------|
| FISH    | 96H LC50 | 55.6  | mg/l  |
| DAPHNIA | 48H EC50 | 156   | mg/l  |

#### Hazardous ingredients:

##### SODIUM HYDROXIDE

|               |          |        |      |
|---------------|----------|--------|------|
| Daphnia magna | 48H EC50 | 40-240 | mg/l |
| FISH          | 96H LC50 | 33-189 | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable. Dilution and neutralisation occur rapidly.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity. Harmful to aquatic organisms. only in very large quantities.

## Section 13: Disposal considerations

[cont...]

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## 13.1. Waste treatment methods

**Disposal operations:** May be neutralised prior to disposal with a WEAK acid solution. Used or surplus material may be discharged to a sewage drain with large volumes of water. Dispose of waste and residues in accordance with local authority requirements.

**Disposal of packaging:** Clean with water. Dry out. Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1824

### 14.2. UN proper shipping name

**Shipping name:** SODIUM HYDROXIDE SOLUTION

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 2

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

[cont...]

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**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.