


# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**  
 Product Name: Instant Power Heavy Duty Drain Opener  
 SDS No.: 1870/1871
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
 Identified use(s): Drain pipe Cleaner.
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer: Scotch Corporation  
 P.O. Box 560126  
 Dallas  
 Texas 75356
- Telephone: +1 800 334 2077  
 Fax: +1 214 943 1306  
 E-mail: [mail@scotchcorp.com](mailto:mail@scotchcorp.com)
- Supplier: UK Distributor - Robimatic Plc  
 Sandall Stones Road  
 Kirk Sandall Industrial Estate  
 Kirk Sandall  
 Doncaster, DN3 1QR  
 Telephone: +44 (0) 1302 790 790  
 Fax: +44 (0) 1302 790 088  
 E-mail: [robimatic@polypipe.com](mailto:robimatic@polypipe.com)
- 1.4 Emergency telephone number**  
 Emergency Phone No. (24 h): USA & Canada: +1 800 424 9300  
 Rest of the world: +1 713 527 3887

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture** According to Directive 67/548/EEC & Directive 1999/45/EC  
 C; R35
- 2.2.1 Label elements** According to Directive 67/548/EEC & Directive 1999/45/EC
- Hazard pictogram(s): 
- Hazard Symbol: Corrosive.
- Risk Phrases: R35: Causes severe burns.
- Safety Phrases: S1/2: Keep locked up and out of the reach of children.  
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S37/39: Wear suitable gloves and eye/face protection.  
 S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 2.3 Other hazards**  
 May cause irritation to the respiratory system.  
 Ingestion: May cause damage to: Stomach

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Substances

EC Classification No. 1272/2008

| Hazardous ingredient(s) | %W/W    | CAS No.   | EC No.    | REACH Registration No. | Hazard symbol(s) and hazard statement(s)  |
|-------------------------|---------|-----------|-----------|------------------------|---|
| Sodium hydroxide        | 20-30   | 1310-73-2 | 215-185-5 | -                      | Skin Corr. 1A; H314                       |
| Potassium hydroxide     | 0.1-0.5 | 1310-58-3 | 215-181-3 | -                      | Acute Tox. 4; H302<br>Skin Corr. 1A; H314 |

EC Classification No. 67/548/EC

| Hazardous ingredient(s) | %W/W    | CAS No.   | EC No.    | REACH Registration No. | Hazard Symbol and Risk Phrases |
|-------------------------|---------|-----------|-----------|------------------------|--------------------------------|
| Sodium hydroxide        | 20-30   | 1310-73-2 | 215-185-5 | -                      | C; R35                         |
| Potassium hydroxide     | 0.1-0.5 | 1310-58-3 | 215-181-3 | -                      | Xn; R22<br>C; R35              |

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation: Remove patient from exposure, keep warm and at rest. If symptoms persist, obtain medical attention.

Skin Contact: Obtain immediate medical attention. Remove contaminated clothing immediately and wash affected skin with soap and water. Contaminated clothing should be thoroughly cleaned.

Eye Contact: Obtain immediate medical attention. Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes.

Ingestion: Obtain immediate medical attention. Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink.

**4.2 Most important symptoms and effects, both acute and delayed**  
Causes burns to skin and eyes. Causes severe damage to eyes and skin. May cause irritation to the respiratory system. Ingestion: May cause damage to: Stomach.

**4.3 Indication of any immediate medical attention and special treatment needed**  
If substance has got into the eyes, immediately wash out with plenty of water until medical assistance is provided.

## SECTION 5: FIRE-FIGHTING MEASURES

**5.1 Extinguishing media**  
Suitable Extinguishing Media: Non-combustible. As appropriate for surrounding fire.  
Unsuitable Extinguishing Media: None.

**5.2 Special hazards arising from the substance or mixture**  
Fume: Corrosive to the respiratory tract.

**5.3 Advice for fire-fighters**  
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Use waterspray to 'knock down' vapour.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

- |  |  |
|--|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours.<br><br>Wear suitable protective clothing and gloves. (See Section: 8). Contaminated clothing should be thoroughly cleaned.   |
| <b>6.2 Environmental precautions</b>   | Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.   |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Cautiously neutralize remainder. Then wash away with plenty of water. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor. |
| <b>6.4 Reference to other sections</b>   | Personal Protection: See Section: 8.   |
| <b>Other advice</b>  | None.  |

## SECTION 7: HANDLING AND STORAGE




- |   |   |
|---|---|
| <b>7.1 Precautions for safe handling</b>                                | Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded.<br><br>Avoid inhalation of vapours. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. (See Section: 8).<br><br>Do not eat, drink or smoke at the work place. Wash hands and exposed skin after use. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Keep only in the original container in a cool, well-ventilated place. Keep out of the reach of children. Keep/store away from: Aluminium. Zinc. magnesium.  |
| <b>7.3 Specific end use(s)</b>  | Drain pipe Cleaner.   |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

| Potassium hydroxide<br>CAS No.: 1310-58-3 | Exposure limit values                    | Source/ Note:  |
|---|--|--|
| France:                                   | 2 mg/m <sup>3</sup> (VLCT (ou VLE))      | INRS   |
| Denmark:                                  | 2 mg/m <sup>3</sup>                      | WEA/ L   |
| Spain :                                   | 2 mg/m <sup>3</sup><br>(VLA-EC)          | LÍMITES DE EXPOSICIÓN PROFESIONAL<br>PARA AGENTES QUÍMICOS |
| United Kingdom:                           | 2mg/m <sup>3</sup><br>(15 minutes; STEL) | EH40 – UK Occupational Exposure Limits                     |
| Sodium hydroxide<br>CAS No.: 1310-73-2    | Exposure limit values                    | Source/ Note:  |
| France:                                   | 2 mg/m <sup>3</sup> (VME)                | INRS   |
| Denmark:                                  | 2 mg/m <sup>3</sup>                      | WEA/ L   |
| Spain :                                   | 2 mg/m <sup>3</sup><br>(VLA-EC)          | LÍMITES DE EXPOSICIÓN PROFESIONAL<br>PARA AGENTES QUÍMICOS |
| United Kingdom:                           | 2mg/m <sup>3</sup><br>(15 minutes; STEL) | EH40 – UK Occupational Exposure Limits                     |

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|              |   |   |
|--------------|---|---|
| <b>8.2</b>   | <b>Exposure controls</b>  |   |
| <b>8.2.1</b> | <b>Appropriate engineering controls</b>   | Provide adequate ventilation.   |
| <b>8.2.2</b> | <b>Personal Protection</b>  |   |
|              | Eye/face protection   | Goggles giving complete protection to eyes. (EN 166)  |
|              |  |   |
|              | Skin protection   | Protective gloves. (EN 374)   |
|              |  |   |
|              | Respiratory protection  | In case of insufficient ventilation, wear suitable respiratory equipment. (BS EN 14387:2004+A1) |
|              |  |   |
|              | Other:  | Apron or other light protective clothing, boots and plastic or rubber gloves.                   |
| <b>8.2.3</b> | <b>Environmental Exposure Controls</b>  | Avoid release to the environment.   |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|            |  |                                 |
|------------|--|---------------------------------|
| <b>9.1</b> | <b>Information on basic physical and chemical properties</b> |                                 |
|            | Appearance (20 °C)   | Liquid.                         |
|            | Colour   | Colourless.                     |
|            | Odour  | Odourless.                      |
|            | Odour Threshold (ppm)  | No information available.       |
|            | pH (Value)   | 14                              |
|            | Melting Point (°C) / Freezing Point (°C)                     | No information available.       |
|            | Boiling point/boiling range                                  | >200 (750 mm Hg)                |
|            | Flash Point (°C)   | Non-combustible.                |
|            | Evaporation rate   | No information available.       |
|            | Flammability (solid, gas)                                    | Not applicable.                 |
|            | Explosive limit ranges.                                      | Not applicable.                 |
|            | Vapour Pressure (mm Hg)                                      | No information available.       |
|            | Vapour Density (Air=1)                                       | No information available.       |
|            | Density (g/ml)   | 1.32                            |
|            | Solubility (Water)   | Completely miscible with water. |
|            | Solubility (Other)   | No information available.       |
|            | Partition Coefficient (n-Octanol/water)                      | No information available.       |
|            | Auto Ignition Temperature (°C)                               | Non-combustible.                |
|            | Decomposition Temperature (°C)                               | No information available.       |
|            | Viscosity (mPa.s)  | No information available.       |
|            | Explosive properties   | Not applicable.                 |
|            | Oxidising properties   | Not oxidising.                  |
| <b>9.2</b> | <b>Other information</b>                                     | -                               |

## SECTION 10: STABILITY AND REACTIVITY

|             |   |   |
|-------------|---|---|
| <b>10.1</b> | <b>Reactivity</b>                         | Reacts with - Acids.  |
| <b>10.2</b> | <b>Chemical stability</b>                 | Stable under normal conditions.                             |
| <b>10.3</b> | <b>Possibility of hazardous reactions</b> | May react violently with: Acids.                            |
| <b>10.4</b> | <b>Conditions to avoid</b>                | None known.   |
| <b>10.5</b> | <b>Incompatible materials</b>             | Acids. Strong oxidising agents. Aluminium. Zinc. magnesium. |
| <b>10.6</b> | <b>Hazardous Decomposition Product(s)</b> | Potassium hydroxide/ oxides. Sodium hydroxide/ oxides.      |

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity:

|               |  |
|---------------|--|
| Ingestion:    | LD <sub>50</sub> (oral/rat): 273 mg/kg (Potassium hydroxide) |
| Inhalation:   | No information available.                                    |
| Skin Contact: | No information available.                                    |
| Eye Contact:  | No information available.                                    |

#### Skin corrosion/irritation:

Causes burns.

#### Serious eye damage/irritation:

Causes burns to eyes. Causes serious eye damage.

#### Respiratory or skin sensitization:

It is not a skin sensitiser.

#### Mutagenicity:

There is no evidence of mutagenic potential.

#### Carcinogenicity:

No evidence of carcinogenicity.

#### Reproductive toxicity:

Negative.

#### STOT-single exposure:

No information available.

#### STOT-repeated exposure:

No information available.

#### Aspiration hazard:

Negative.

#### Other information:

No information available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

LC<sub>50</sub> (Fish): 196 mg/l/96h (Sodium hydroxide)  
 LC<sub>50</sub> (Crustaceans): 40.4 mg/l/48h (Sodium hydroxide)  
 WGK: 1.

### 12.2 Persistence and degradability

Not applicable.

### 12.3 Bioaccumulative potential

The product has no potential for bioaccumulation.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

### 12.6 Other adverse effects

No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Do not empty into drains; dispose of this material and its container in a safe way. To be disposed of as hazardous waste.

Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor. Disposal should be in accordance with local, state or national legislation.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

1824

### 14.2 Proper Shipping Name

SODIUM HYDROXIDE SOLUTION

### 14.3 Transport hazard class(es)

8

### 14.4 Packing Group

II

### 14.5 Environmental hazards

Not classified as a Marine Pollutant.

### 14.6 Special precautions for user

Corrosive.

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

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## SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No. 1272/2008 (CLP), Directive 67/548/EEC & Directive 1999/45/EC

### 15.2 Chemical Safety Assessment

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## SECTION 16: OTHER INFORMATION

Full text of Hazard statements and Risk phrases for pure substances listed in section 3.

**Hazard Symbol:** H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.

**Risk Phrases:** R22: Harmful if swallowed.  
R35: Causes severe burns.

Revision: 001

Date of Issue: 20 June 2011

The following sections contain revisions or new statements: All sections.

**The following sections contain revisions or new statements:** 1-16.

### Abbreviations:

CAS = Chemical Abstracts Service;

CNS = Central Nervous System;

EINECS = European Inventory of Existing Commercial Chemical Substances;

EC50 = Effective Concentration 50%;

IARC = International Agency for Research on Cancer;

IC50 = Inhibitory Concentration 50%;

LC50 = Lethal Concentration 50%;

LD50 = Lethal Dose 50%;

LTEL = Long Term Exposure Limit;

STEL = Short Term Exposure Limit;

TWA = Time Weighted Average;

### References:

Fundamental and Applied Toxicology. Vol. 8, Pg. 97, 1987.

Adema, D.M.M. 1985. Aquatic Toxicity of Compounds that may be Carried by Ships (Marpol 19733 Annex II). A Progress Report for 1985. Tech.Rep.No.R85/217, TNO, The Hague, Netherlands :40 p.

Warne, M.S.J., and A.D. Schifko 1999. Toxicity of Laundry Detergent Components to a Freshwater Cladoceran and Their Contribution to Detergent Toxicity. Ecotoxicol.Environ.Saf. 44(2):196-206

### Disclaimer:

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