


SAFETY DATA SHEET

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

1.1 Product identifier	
Product Name:	Instant Power hair and Grease Drain Opener
SDS No.:	1969/1970
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s):	Drain 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
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
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	<u>According to Directive 67/548/EEC & Directive 1999/45/EC</u> C; R35
2.2.1 Label elements	<u>According to Directive 67/548/EEC & Directive 1999/45/EC</u>
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	30-60	1310-73-2	215-185-5	-	Skin Corr. 1A; H314
Potassium hydroxide	1-5	1310-58-3	215-181-3	-	Acute Tox. 4; H302 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	30-60	1310-73-2	215-185-5	-	C; R35
Potassium hydroxide	1-5	1310-58-3	215-181-3	-	Xn; R22 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

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|------------|--|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours.

Wear suitable protective clothing and gloves. (See Section: 8). Contaminated clothing should be thoroughly cleaned. |
| 6.2 | Environmental precautions | 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. |
| 6.3 | Methods and material for containment and cleaning up | 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. |
| 6.4 | Reference to other sections | Personal Protection: See Section: 8. |
| | Other advice | None. |

SECTION 7: HANDLING AND STORAGE

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|------------|---|---|
| 7.1 | Precautions for safe handling | Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded.

Avoid inhalation of vapours. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. (See Section: 8).




Do not eat, drink or smoke at the work place. Wash hands and exposed skin after use. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Keep only in the original container in a cool, well-ventilated place. Keep out of the reach of children. Keep at a temperature not exceeding (°C): 49. |
| 7.3 | Specific end use(s) | Drain Cleaner. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

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

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8.2	Exposure controls	
8.2.1	Appropriate engineering controls	Provide adequate ventilation.
8.2.2	Personal Protection	
	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.
8.2.3	Environmental Exposure Controls	Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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	No information available.
Flash Point (°C)	Non-combustible.
Evaporation rate	No information available.
Flammability (solid, gas)	Not applicable.
Explosive limit ranges.	Not applicable.
Vapour Pressure (mm Hg)	17.5
Vapour Density (Air=1)	0.6
Density (g/ml)	1.53
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.

9.2 Other information

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SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Reacts with - Acids.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	May react violently with: Acids.
10.4	Conditions to avoid	None known.
10.5	Incompatible materials	Acids. Strong oxidising agents.

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10.6 Hazardous Decomposition Product(s) Potassium hydroxide/ oxides. Sodium hydroxide/ oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Ingestion: LD₅₀ (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 LC₅₀ (Fish): 196 mg/l/96h (Sodium hydroxide)
 LC₅₀ (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 3266

14.2 Proper Shipping Name CORROSIVE LIQUID, INORGANIC, N.O.S.

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

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

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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. Schiffko 1999. Toxicity of Laundry Detergent Components to a Freshwater Cladoceran and Their Contribution to Detergent Toxicity. Ecotoxicol.Environ.Saf. 44(2):196-206

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