

EC MATERIAL SAFETY DATA SHEET.

1. Product and Manufacturer Identification:

Trade Name: **Impact**
Heavy duty solvent/alkali based cleaner

Manufacturer: Microchem Limited
Belmont Industrial Estate
Durham
DH1 1TN
Tel: 0191 3869988 Emergency Tel 07877505120
Fax: 0191 3862722
e-mail: mike@microchem.co.uk

2. Composition and Information on Ingredients

Substance Name	Cas number	EINECS	Risk phrase
Sodium Hydroxide	1310-73-2	215-185-5	R35
2-Butoxyethanol	111-76-2	203-905-0	R20/21/22,36/38
Non-Hazardous Ingredients To 100%			

3. Hazards Identification:

Health Effects - Inhalation:

Harmful.

Health Effects – Ingestion:

Will cause significant systemic effects if swallowed. Signs and symptoms include possible nausea and/or vomiting.

Health Effects – Skin:

Causes severe burns.

Health Effects – Eyes

Causes severe burns and redness to eyes.

Environmental Effects:

Not expected to cause significant environmental impact.

4. First Aid Procedures

Skin Contact: Drench the affected skin with running water to remove all traces of product. Do not use solvents.

Eye Contact: Bathe the eye with running water for 10 minutes. If symptoms persist obtain medical advice.

Ingestion: Do not induce vomiting. If swallowing has occurred drink plenty of water and seek medical advice immediately.
Never give anything by mouth to an unconscious person.

Inhalation: Remove casualty from exposure and allow to rest.

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5. Fire Fighting Measures

Not classed as flammable however if involved in fire may emit noxious and asphyxiating fumes.

Extinguish with Foam, Dry Chemical Powder or Carbon Dioxide (CO₂).

Keep containers cool by water spray.

Heating may cause pressure rise with risk of container bursting.

In serious fire it is necessary to wear compressed air breathing apparatus and impervious body suit.

6. Accidental Release Measures

Small Spillages:

Hose down with cold water.

Large Spillages:

Construct temporary dikes with any suitable inert material to prevent the product spreading.

Transfer to suitable containers for recovery or disposal.

Absorb remaining material with sand or other inert material.

Personal Precautions:

Wear appropriate protective clothing. See Section 8.

Material may create slippery conditions underfoot.

Environmental Precautions:

Try to prevent the material from entering drains or watercourses.

Advise Authorities if large spillage has entered watercourses or sewer or has contaminated soil or vegetation.

7. Handling and Storage

Handling:

Avoid contact with eyes, skin and clothing.

Keep container tightly closed when not in use.

Storage:

Store away from sources of heat or ignition.

Store in original containers as supplied by manufacturer.

8. Exposure Controls/ Personal Protection

Occupational Exposure Standards:

No occupational exposure limit listed in current editions of EH40 (UK Health and Safety Executive Threshold Limit Values) (American Conference of Governmental Industrial Hygienists.)

The following protection is recommended.

Respiratory Protection: Respiratory equipment should be worn in confined spaces.

Hand Protection: Rubber gloves.

Eye Protection: Suitable safety glasses or goggles

Body Protection: Wear suitable Heavy Duty Overalls and safety Shoes or Boots

Occupational Exposure Limits:

Hazardous Ingredient(s)	LTEL 8hr TWA		STEL (15 Mins)		Type
	PPM	mg/m ³	PPM	mg/m ³	
2-Butoxyethanol	25	120	-	-	MEL
Sodium Hydroxide	100	2.0	100	-	MEL

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9. Physical and Chemical Properties

Physical State:	Clear liquid.
Colour:	Straw
Odour:	Minimal
pH Value:	13-13.5
Boiling Range/Point:	>100 °C
Melting Point:	Not Applicable.
Flash Point:	>100 °C
Solubility in Water:	Soluble
Density (kg/m ³)	ca. 1090 at 20 °C
Viscosity:	N/A

10. Stability and Reactivity

Stability:

Stable under normal conditions.

Conditions to avoid:

Protect from frost. Keep away from oxidising agents and strong acid/alkaline materials to prevent exothermic reactions.

Hazardous Decomposition Products:

None known.

11. Toxicological Information

Acute Toxicity:	Harmful by ingestion.
Irritation Skin:	This material is an irritant to the skin.
Irritation Eyes:	Expected to cause irritation to the eyes.

12. Ecological Information

Ecological Overview.	Not expected to cause significant environmental impact.
Mobility:	The product will dissolve in water.
Persistence / Degradability:	The product is readily biodegradable.
Bioaccumulation:	N/A
Ecotoxicity:	The product is toxic to aquatic organism.

13. Disposal

Product Disposal:

When disposing of waste or surplus material avoid contact with the eyes and skin. See Section 8 for personal protection equipment.

Where practical, surplus material should be recovered and recycled.

Dispose of in accordance with all applicable local and national regulations.

Seek advice from local waste authority or supplier for guidance.

Container Disposal:

Labels should not be removed from containers unless thoroughly washed and cleaned.

Dispose of empty containers with care.

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14. Transport Information

IMDG : Class 8

ADR : 111

UK Road:1760

Risk Phase: R35

15. Regulatory Information

Labelling Information: Corrosive



Risk Phrases:

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

R35: Causes severe burns.

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash with plenty of water.

S25: Avoid contact with eyes.

S24: Avoid contact with skin.

S2: Keep out reach of children.

S27: Take off immediately all contaminated clothing and do not replace until thoroughly laundered.

S46: If swallowed seek medical attention immediately and show the container or label.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Addition Classification Information.

This product is classified on the basis of information compiled by CESIO on the toxicological properties of surfactants.

16. Other Information

MSDS first issued

7th March 2005

MSDS Data revised

31st March 2005

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Uses and restrictions:

The uses of this product include the following:

Heavy duty solvent/alkali based cleaner

Disclaimer

The information contained in this document is intended to describe the product only in terms of health & safety and environmental requirements for the purpose of its safe handling, use and disposal and is to the best of the supplier's knowledge and belief correct. It is strongly advised the customer should satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purpose and conditions of use and that their facilities and arrangements are suitable for handling or using the product. This information does not comprise a technical or performance specification for the product.