

MACHINE DISHWASH DETERGENT

1. IDENTIFICATION OF THE SUBSTANCE /PREPARATION AND OF THE COMPANY /UNDERTAKING

Product Name: Machine Dishwash Detergent

Supplier: Gems Hygiene Supplies
The Business Centre
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Sheffield
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2. HAZARDS IDENTIFICATION

R34 Causes burns.
Classification C;R34

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EINICS No.	CAS No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	1-5%	C;R35
Trisodium nitrilotriacetate	225-768-6	5064-31-3	10-30%	Xn;R22,Xi,R36

The Full text for all R-Phrases are displayed in Section 16

4. FIRST AID MEASURES

GENERAL INFORMATION	CAUTION! First Aid personnel must be aware of own risk of burns. Chemical burns must be dealt with immediately, do not delay.
INHALATION	Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
INGESTION	DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention.
SKIN CONTACT	Remove affected person from source of contamination. Remove contaminated clothing. Rinse the skin immediately with lots of water. Continue to rinse for at least 15 minutes. Get medical attention immediately.
EYE CONTACT	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for 15 minutes. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	This product is noncombustible. Use fire-extinguishing media appropriate for surrounding materials. Use dry chemicals, sand, dolomite etc Foam, water spray.
SPECIAL FIRE FIGHTING PROCEDURES	Use water to keep fire exposed containers cool and disperse vapours.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Inform Authorities if large amounts are involved.
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7. HANDLING AND STORAGE

USAGE PRECAUTIONS	Avoid spilling, skin and eye contact.
USAGE DESCRIPTION	Store separate from Acids
STORAGE PRECAUTIONS	Controlled substance storage

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

NAME	STD	TWA	STEL	NOTES
SODIUM HYDROXIDE	WEL			2mg/m ³
PROTECTIVE EQUIPMENT	Gloves, Goggles			
ENGINEERING MEASURES	Provide adequate general and local exhaust ventilation.			
HAND PROTECTION	Use protective gloves made of; Rubber (natural, latex)			
EYE PROTECTION	Wear full-face visor or shield.			
OTHER PROTECTION	Wear suitable protective clothing as protection against splashing or contamination.			

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, Liquid
COLOUR	Light (or pale), Amber
ODOUR	Odourless
RELATIVE DENSITY	1.175 – 1.185 @ 20°C
pH- VALUE, CONC. SOLUTION	>13.0
SOLUBILITY	Soluble in water

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
CONDITIONS TO AVOID	Avoid contact with acids
MATERIALS TO AVOID	Strong acids. Reacts strongly with light metals such as aluminium and zinc, producing hydrogen which is highly flammable.

11. TOXOLOGICAL INFORMATION

INHALATION	May cause damage to mucous in nose, throat, lungs and bronchial system.
INGESTION	Causes burns, harmful if swallowed.
SKIN CONTACT	Causes burns.
EYE CONTACT	Causes burns. Risk of serious damage to eyes.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	Not classed as Hazardous to the Environment but release to the environment should be avoided.
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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Dispose of waste and residues in accordance with local authority requirements.
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14. TRANSPORT INFORMATION



TRANSPORT LABELS	
UN NO. ROAD	1760
UK ROAD CLASS	8
UK ROAD PACK GR.	III
ADR CLASS NO	8
ADR CLASS	Class 8: Corrosive substances
PROPER SHIPPING NAME	CORROSIVE LIQUID, NOS (Sodium hydroxide, Trisodium nitrilotriacetate)
UN NO. SEA	1760
IMDG CLASS	8
UN NO. AIR	1760
AIR CLASS	8

15. REGULATORY INFORMATION



LABELLING

CONTAINS
RISK PHRASES
SAFETY PHRASES

SODIUM HYDROXIDE

R34 Causes burns.

S1/2 Keep locked up and out of reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

DETERGENT LABELLING

<5% Anionic surfactants
<5% Non-ionic surfactants
<5% Amphoteric surfactants

5 - <15% NTA (nitrilotriacetic acid) and salts thereof.

STATUTORY INSTRUMENTS
APPROVED CODE OF PRACTICE
GUIDANCE NOTES

Chemicals (Hazard Information and Packaging) Regulations.

Classification and labelling of substances and preparations dangerous for supply.

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG (108)

16. OTHER INFORMATION

GENERAL INFORMATION
REVISION DATE
REV. NO. / REPL. SDS GENERATED
RISK PHRASES USED IN FULL

The following risk phrases relate to the raw material in the product and not the product itself

16/05/2006

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R35 Causes severe burns. R22 Harmful if swallowed. R36 Irritating to eyes.