



HOSPITALITY
CARE HOMES
FOOD INDUSTRY
HEALTHCARE
LAUNDRY
LEISURE
AGRICULTURE

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1. IDENTIFICATION OF PREPERATION AND THE SUPPLIER

MSDS

Sheet: 1/2
date of original: 29/09/1994
Revision No. 6
Revision date: 07/02/2008

Trade name: 4HT ZORRO
Product description: GENERAL DISINFECTING AND LAUNDRY BLEACHING
Supplier: AS ABOVE

2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Material or Component (shown as neat/pure)	% Range	CAS	Class	Risk Phrase
Sodium Hypochlorite	1-10	7681-52-9	C	31, 34, 36, 38, 50
Alkyldimethyl Amine Oxide	1-5	68955-55-5	Xi	38, 41, 50
Sodium Lauryl Ether Sulphate	1-5	221-416-6-0	Xi	41, 38
Sodium Hydroxide	15-25	1310-73-2	C	35, 35, 36, 38, 52, 53

3. HAZARDS IDENTIFICATION

For Sodium Hypochlorite Contains Sodium Hypochlorite. This can cause irritation to the skin and therefore the product is classified as IRRITANT. Do not mix with other chemicals.

4. FIRST AID MEASURES

Eyes: Immediately irrigate with eyewash solution or clean water, holding eyelids apart for at least 10 minutes. Obtain immediate medical attention.
Skin: Remove contaminated clothing. Wash off immediately with water.
Ingestion: Wash out mouth with water, then give plenty of milk or water to drink and obtain urgent medical attention, showing the label where possible. Never give anything by mouth to an unconscious person. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray
Not classified as flammable.

Protective Equipment for Fire Fighting: Full protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear full protective clothing, impervious gloves and eye/face protection.

Environmental Precautions: Wash spillage area with plenty of water Spillage's or uncontrolled discharges into water courses must be alerted to the relevant water authorities.

Spillages: Absorb with sand, earth or other suitable absorbent material. Transfer to a container for disposal according to local regulations.

7. HANDLING & STORAGE

Handling: Avoid contact with eyes and skin.

Storage: Store at ambient temperature in the original container, tightly closed. Keep in dry area

8. PERSONAL PROTECTION / EXPOSURE CONTROLS

Repiratory Protection: Use in a well ventilated area.
Eye Protection: Goggles or safety visor
Skin Protection: Impervious gloves, impervious apron.
Environmental protection: Do not allow large quantities to enter surface waters.

9. PHYSICAL &CHEMICAL PROPERTIES

Appearance / colour:	Straw viscous liquid	Flash point:	Not known
Odour:	Chlorine	Solubility:	Complete in water
pH:	11	Relative density:	1.15
Boiling point:	100°C		

10. STABILITY AND REACTIVITY

Stability: Stable mixture

Conditions to avoid: Extremes of temperature. Light sensitive

Materials to avoid: Contact with acids releases poisonous gas (chlorine). Incompatible with strong acids, amines, ammonia, ammonium salts, reducing agents, metals, aziridine, methanol, formic acid, phenylacetoneitrile.

11. TOXICOLOGICAL INFORMATION

Eye contact:	Will cause irritation to eyes.
Skin contact:	Irritant, may cause dryness, cracking and dermatitis after prolonged contact.
Ingestion:	Will cause irritation to mouth, throat and digestive tract.
Inhalation:	Unlikely in normal use.

12. ECOLOGICAL INFORMATION

Biodegradability:	This product will not harm biological sewage treatment works in normal use. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. This product is not expected to bio-accumulate under normal use.
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13. DISPOSAL

Product does not contain any prescribed substances under the Environmental Protection Act Regs (1991) but is classified as special waste under the Control of Substances (Special Waste) Regs 1996. Dispose of in accordance with all local and national regulations. For small quantities dilute with at least 100 parts of water and pour down waste water drain (foul sewer). Rinse out empty containers thoroughly and recycle if facilities exist or dispose of as commercial waste. For larger quantities contact a licensed waste contractor.

14. TRANSPORT INFORMATION

Conveyance label:	Not required.
Class number;	Not required.
Packing group:	Not required.
U.N. number	Not required.

15. REGULATORY INFORMATION

Hazardous symbol:	 "Xi" irritant.
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Risk phrases:	R36/38	Irritating to eyes & skin
Safety phrases:	S1/2	Keep locked up and out of reach of children
	S-26	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,
	S-45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

16. OTHER INFORMATION