

MATERIAL SAFETY DATA SHEET



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1. PRODUCT AND COMPANY INFORMATION

PRODUCT CODE:

MANUFACTURER

CASWELL AUSTRALIA P/L
25 BIRCH COURT
WYNDHAM VALE
VICTORIA 3024
AUSTRALIA

EMERGENCY NUMBER **000**

OFFICE NUMBER 03 9741 7103

IMPORTED FROM

CASWELL INC
7696 ROUTE 31
LYONS NY14489
USA

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2. HAZARDS & IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation

SKIN: Long term exposure to skin may cause skin irritation or allergic reactions resulting in chronic eczema or "nickel itch"

INGESTION: Irritating to mouth throat and stomach.

INHALATION Irritating to nose, throat and respiratory tract.

ROUTES OF ENTRY: Ingestion. Skin or eye contact.

MEDICAL CONDITIONS AGGRAVATED: NONE

3. HAZARDS & IDENTIFICATION

CHEMICAL NAME	Wt. %	CAS	EINECS
SODIUM HYPOPHOSPHITE	25	7681-53-0	
SODIUM HYDROXIDE	2	001310-73-2	215-185-5

4. FIRST AID MEASURES

EYES: Flush eyes with water for 15 minutes, get medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before re-use.

INGESTION: Do not induce vomiting, but give milk or water to drink and get medical attention, or call a poison centre.

5. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: 0 to 0

FLAMMABLE CLASS: NOT APPLICABLE

EXTINGUISHING MEDIA: ANY AVAILABLE

EXPLOSION HAZARD: NONE

FIRE FIGHTING EQUIPMENT: : As in any fire, wear approved self-contained breathing apparatus pressure demand and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spills immediately, observing precautions in Protective Equipment section.

LARGE SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent material, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapours, have been removed, thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation.

HANDLING: Follow all MSDS / label precautions even after container is emptied because they may retain product residues.

STORE: IN A TIGHTLY SEALED CONTAINER

SHELF LIFE: 12 MONTHS

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only in a well ventilated area.

HAZARDOUS COMPONENTS							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SUPPLIER OEL	
CHEMICAL NAME		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
SODIUM HYDROXIDE	TWA	NL	NL	NL	NL	NL	NL
	STEL	NL	C 2	NL	C2	NL	NL
FOOTNOTES							
NL = NOT LISTED							
C = CEILING							

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Wear safety glasses with side shields [or goggles] and a face shield.

SKIN: Where splashing is possible full chemically resistant protective clothing and boots are required.

RESPIRATORY: A respiratory protection program must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear suitable protective clothing at all times.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

ODOUR: NONE

APPEARANCE: CLEAR COLOURLESS LIQUID

pH: 5.4 TO 5.8

BOILING POINT: 100 Deg C

SOLUBILITY IN WATER: SOLUBLE

SPECIFIC GRAVITY: 1.195 TO 1.205

10. STABILITY AND REACTIVITY

STABLE: YES

STABILITY: Stable

HAZARDOUS POLYMERIZATION: NO

INCOMPATIBLE MATERIALS: STRONG ACIDS, STRONG OXIDIZING AGENTS

CONDITIONS TO AVOID: HEAT ABOVE 500 Deg C

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may evolve toxic phosphine gas, oxides of phosphorous and various phosphoric acids.

11. TOXICOLOGICAL INFORMATION**ACUTE**

CHEMICAL NAME	ORAL LD ₅₀	RAT
SODIUM HYPOPHOSPHITE	7640 mg/kg	

CARCINOGENICITY:

IARC: NONE

NTP: NONE

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: Consult appropriate local authorities and regulations for disposal. Empty containers are subject to same regulations.

PRODUCT DISPOSAL METHOD: Follow procedure in product literature.

14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORT

PROPER SHIPPING NAME: Non HAZARDOUS

TECHNICAL NAME:

PRIMARY HAZARD CLASS / DIVISION:

UN NUMBER:

PACKING GROUP:

15. REGULATORY INFORMATION

CHEMICAL NAME	CAS
SODIUM HYPOPHOSPHITE	7681-53-0
SODIUM HYDROXIDE	001310-73-2

16. OTHER INFORMATION

APPROVED BY Paul Davies

POSITION Caswell Australia CEO

REVISION SUMMARY: New MSDS

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