

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

CONTACT NUMBER 0011 1 315 9461213

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.

SIGNS & SYMPTOMS OF OVEREXPOSURE

CHRONIC AFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash [dermatitis]

SKIN: Substance causes moderate skin irritation

CARCINOGENICITY: Possible cancer hazard – [contains material which] may cause cancer based on animal data

ROUTES OF ENTRY: Ingestion. Skin or eye contact.

CANCER STATEMENT: Group 1 cancer hazard.

IRRITANCY: Harmful by inhalation, contact with skin/eyes, and if swallowed.

3. HAZARDS & IDENTIFICATION

CHEMICAL NAME	Wt. %	CAS	EINECS
NICKEL SULPHATE	45	007786-81-4	

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. Careful evacuation of stomach by medical personnel imperative.

5. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: 0 to 0

FLAMMABLE CLASS: NOT APPLICABLE

EXTINGUISHING MEDIA: ANY AVAILABLE

EXPLOSION HAZARD: NONE

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

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will form oxides of nickel and sulphur.

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: Must be store above 12 deg C

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

SHELF LIFE: 12 MONTHS

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only in a well ventilated area.

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 respirators use.

PROTECTIVE CLOTHING: Wear suitable protective clothing at all times.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

ODOUR: NONE

APPEARANCE: CLEAR GREEN LIQUID

pH: 3.5

BOILING POINT: 100 Deg C

FREEZING POINT: 12.5 Deg C

SOLUBILITY IN WATER: 100 % @ 24 Deg C

SPECIFIC GRAVITY: 1.34

10. STABILITY AND REACTIVITY

STABLE: YES

STABILITY: Stable

HAZARDOUS POLYMERIZATION: NO

INCOMPATIBLE MATERIALS: STRONG ALKALINES, CYANIDES.

CONDITIONS TO AVOID: HEAT ABOVE 500 Deg C

11. TOXICOLOGICAL INFORMATION

ACUTE: ORAL LD₅₀ 264 mg/kg

CARCINOGENICITY:

IARC: YES

NTP: Anticipated as a nickel compound

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**16. OTHER INFORMATION**

APPROVED BY Paul Davies

POSITION Caswell Australia CEO

REVISION SUMMARY: New MSDS

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