

MATERIAL SAFETY DATA SHEET



Date Issued: 03/09/2007

MSDS No: ENB

Revision No: New MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Electroless Nickel B

MANUFACTURER

CASWELL INC.
7696 ROUTE 31
LYONS NY 14489

Emergency Contact: 8004249300

Product Stewardship: 3159461213

Transportation: 8004249300

Service Number: 3159461213

CASWELL INC.
7696 ROUTE 31
LYONS NY 14489
USA

Emergency Contact: CHEMTREC

Emergency Phone: +1 703 527 3887

Service Number: +1 315 946 1213

Transportation Number: +1 703 527 3887

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC: 1 800 424 9300

CHEMTREC INTERNATIONAL: 703 527 3887

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: Irritating to mouth, throat and stomach.

INHALATION: Irritating to the nose, throat and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED: None

ROUTES OF ENTRY: Ingestion. Skin or Eye Contact

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Sodium Hypophosphite	25	7681-53-0	
Ammonium Hydroxide	1	001336-21-6	215-647-6

4. FIRST AID MEASURES

EYES: Flush eye 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 reuse.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: NA = Not Applicable

AUTOIGNITION TEMPERATURE: NA = Not Applicable

EXTINGUISHING MEDIA: Any available.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

FIRE FIGHTING EQUIPMENT: Any Available.

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 adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, 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.

STORAGE: Store in a tightly closed container.

SHELF LIFE: 1 Year

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Ammonium Hydroxide	TWA	NL ppm ^[1]	NL mg/m ³ ^[1]	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
	STEL	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
Footnotes:							
1. NL = Not Listed							

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 (e.g. acid suit) and boots are required.

RESPIRATORY: This material does not have established exposure limits. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure.

PROTECTIVE CLOTHING: Wear suitable protective clothing at all times.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: None

APPEARANCE: Clear, colorless liquid.

COLOR: None

pH: 5.5

VAPOR PRESSURE: NA = Not Applicable

VAPOR DENSITY: NA = Not Applicable

BOILING POINT: (212°F)

FLASHPOINT AND METHOD: NA = Not Applicable

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.180

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

INCOMPATIBLE MATERIALS: None

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
Sodium Hypophosphite	7640 mg/kg

ORAL LD₅₀: 7640 mg/kg (rat)

CARCINOGENICITY

IARC: None

NTP: None

OSHA: None

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

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

PRODUCT DISPOSAL: Follow directions in product literature.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Nonhazardous

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Nonhazardous

AIR (ICAO/IATA)

SHIPPING NAME: Nonhazardous

VESSEL (IMO/IMDG)

SHIPPING NAME: Nonhazardous

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Nonhazardous

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Hypophosphite	7681-53-0

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

16. OTHER INFORMATION

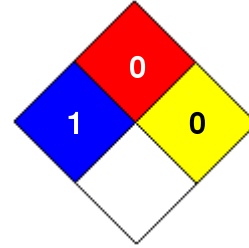
APPROVED BY: L CASWELL **TITLE:** PRESIDENT

PREPARED BY: L CASWELL

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	<input type="checkbox"/>	1
FLAMMABILITY:	<input type="checkbox"/>	0
PHYSICAL HAZARD:	<input type="checkbox"/>	0
PERSONAL PROTECTION:		

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