

MATERIAL SAFETY DATA SHEET



Date Issued: 11/06/2012
MSDS No: PNPZN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: PLUG N PLATE ZINC

MANUFACTURER

Caswell Inc
7696 Route 31
Lyons, NY 14489

Emergency Contact: Caswell Inc

Product Stewardship: 315 946 1213

Transportation: 800 424 9300

Service Number: 315 946 1213

Caswell Inc
7696 Route 31
Lyons, NY 14489
USA

Emergency Contact: Caswell Inc

Emergency Phone: +1 315 946 1213

Service Number: +1 315 946 1213

Transportation Number: +1 703 527 3887

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US TRANSPORTATION) - 1 800 424 9300




CHEMTREC (INTERNATIONAL - CALL COLLECT) - 1 703 527 3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health	Physical
Acute Toxicity (Oral), Category 4	Mutagenicity, Category 2 Corrosive to Metals

GHS LABEL

 Exclamation mark	 Corrosion
WARNING	
H302: Harmful if swallowed. H315: Causes skin irritation.	H290: May be corrosive to metals.
 Health hazard	
6126M2TO: May cause damage to kidneys and pancreas.	

PRECAUTIONARY STATEMENT(S)

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Prevention:

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273: Avoid release to the environment.
- P102: Keep out of reach of children.
- P281: Use personal protective equipment as required.

Response:

- P312: Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal:

- 5692C3NH: Dispose of contents/container in accordance to all local, state and federal regulations.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Harmful if ingested. Skin Irritant.

POTENTIAL HEALTH EFFECTS

EYES: Can cause severe eye irritation.

SKIN: Causes skin irritation.

INGESTION: Harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Zinc Chloride	~ 20	7646-85-7	- -
Potassium Chloride	~ 50	7447-40-7	231-211-8
Ammonium Chloride	~ 17	12125-02-9	235-186-4
Water and other non-hazardous, non-listed or non-reportable materials.	~ 13	7732-18-5	231-791-2

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.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: Not flammable

EXTINGUISHING MEDIA: Any available.

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing.

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

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 Chloride	TWA	NL ppm [1]	10 mg/m ³ [1]	NL ppm	10 mg/m ³	NL ppm	NL mg/m ³
	STEL	NL ppm	20 mg/m ³	NL ppm	20 mg/m ³	NL ppm	NL mg/m ³
Footnotes:							
1. Exposure limits apply to fume only							

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Wear gloves.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear suitable protective clothing at all times.

WORK HYGIENIC PRACTICES: Wash hands with hot water and soap after using this product, especially before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Almond odor

COLOR: Amber

pH: 5.56 to 6

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

IARC: None

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

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DISPOSAL METHOD: Comply with all local, state and federal laws.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not restricted by DOT

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Ammonium Chloride	12125-02-9
Water and other non-hazardous, non-listed or non-reportable materials.	7732-18-5

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

16. OTHER INFORMATION

REASON FOR ISSUE: MSDS format revision

APPROVED BY: L CASWELL

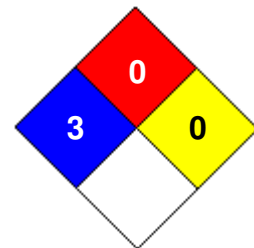
PREPARED BY: L CASWELL

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	*	3
FLAMMABILITY:		0
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		H

NFPA CODES



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