

PLUG N PLATE BRONZE SOLUTION



SECTION 1: Identification

1.1 Product identifier

Product name	PLUG N PLATE BRONZE SOLUTION
Product number	PNPBZ8
Brand	CASWELL

1.2 USA Supplier's details

Name	Caswell Inc
Address	7696 Route 31 Lyons, NY 14489 USA
Telephone	315 946 1213
Fax	315 946 4456
email	sales@caswellplating.com

Supplied in Australia by	Caswell Australia 25 Birch Court Wyndham Vale 3024 Victoria
email	sales@caswellplating.com.au
Telephone	03 9741 7103

1.3 Emergency phone number(s) USA

Office Hours (9-4ET): 315 946 1213
24 Hour: CHEMTEL US# 1-800-255-3924
Intl# +01-813-248-0585

1.4 Emergency phone number(s) AUSTRALIA

Telephone	03 9741 7103
24 hour	0427 70 80 90
Emergency	000

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SECTION 2: Hazard identification

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.

SKIN: Causes skin irritation.

INGESTION: Moderately toxic.

INHALATION: Dust and processing vapors may cause respiratory tract irritation.

WARNING CAUTION LABELS:

CAUTION! MAY CAUSE IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

DO NOT SWALLOW.

WASH HANDS THOROUGHLY AFTER HANDLING.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical Name	Wt%	CAS	EINECS
Copper	<3	00744050-8	231-159-6
Proprietary Product	NE	---	---

SECTION 4: First-aid measures

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Immediately wash skin with soap and plenty of water.

Remove contaminated clothing.

Get medical attention if symptoms occur. Wash clothing before reuse.

INGESTION: DO NOT INDUCE VOMITING! Give large quantities of water or milk if available.

Never give anything by mouth to an unconscious person.

Get medical attention immediately.

INHALATION: Remove to fresh air.

If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical attention immediately

SECTION 5: Fire-fighting measures

FLASHPOINT AND METHOD: None

FLAMMABLE CLASS: None

EXTINGUISHING MEDIA: Water spray, dry chemical, CO2 or alcohol foam. Do not use direct water

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water.

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

WATER SPILL: Can be hazardous to aquatic life if released to open water.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

GENERAL PROCEDURES: Keep in closed container in a dry, well ventilated area away from incompatible materials. Wash thoroughly after handling. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings on container, as if they were full.

SECTION 8: Exposure controls/personal protection

ENGINEERING CONTROLS: If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear chemical resistant gloves and clothing.

Respiratory protection

NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

PROTECTIVE CLOTHING: Wear suitable protective clothing at all times.

WORK HYGIENIC PRACTICES: Always use caution when working with chemicals. Wash hands before eating or smoking.

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SECTION 9: Physical and chemical properties

PHYSICAL STATE: Liquid

ODOR: Characteristic.

APPEARANCE: Purple to blue liquid. pH: 7 to 8

FLASHPOINT AND METHOD: None

SOLUBILITY IN WATER: Complete

SECTION 10: Stability and reactivity

Chemical stability

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

INCOMPATIBLE MATERIALS: Bases. Contamination with heavy metals such as chromium.

SECTION 11: Toxicological information

ACUTE

ORAL LD50 : 1200 mg/kg (rat)

SECTION 12: Ecological information

AQUATIC TOXICITY (ACUTE)

96-HOUR LC50 : > .01 EPA

Notes: Can be hazardous to aquatic life is released to open water.

SECTION 13: Disposal considerations

Disposal of the product

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

RCRA HAZARD CLASS: COPPER

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SECTION 14: Transport information

NOT RESTRICTED

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations specific for the product in question****313 REPORTABLE INGREDIENTS: Copper****EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt%	CAS	EINECS
Copper	<3	00744050-8	231-159-6

SECTION 16: Other information**16.1 Further information/disclaimer**

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Caswell Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Caswell Inc has been advised of the possibility of such damages.

16.2 Preparation information

P DAVIES