

Safety Data Sheet

Product Trade Name: **CHLOROMAX 3700 WT**

ID: H153

*** Section 1 - Chemical Product and Company Identification ***

Product Trade Name: **CHLOROMAX 3700 WT**

Manufacturer Information

Heatbath Corporation
P.O. Box 51048
Indian Orchard, MA 01151-5048

Contact Phone: (413) 452-2000
8:00 AM - 5:00 PM

CHEMTREC Emergency Phone: (800) 424-9300
24 Hours

CHEMTREC International: (703) 527-3887

Recommended Use: Chemical additive for potassium/ammonium chloride zinc plating bath

Restrictions on Use: See Incompatibility, Section 10

*** Section 2 - Hazards Identification ***

OSHA Hazard Communication Standard: Considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not classified as Dangerous Goods for transport purposes.

Hazard Classification: Skin Sensitizer Category 1

Labeling:



Signal Word: WARNING!

Hazard Statements: May cause an allergic skin reaction

PREVENTION: Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace.

FIRST AID/IN CASE OF FIRE: Specific treatment IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

DISPOSAL: Dispose of contents/container in accordance with all local, regional, national and/or international regulations.

Hazards Not Otherwise Classified: N.A.

Percent of Ingredients of Unknown Toxicity: N.A.

*** Section 3 - Composition / Information on Ingredients ***

HAZARDOUS INGREDIENT	CAS #	PERCENT
SODIUM BENZOATE	532-32-1	1 - 10% (T.S.)
SURFACTANTS (T.S.)	MIXTURE (T.S.)	10 - 20% (T.S.)

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T.S. = Trade Secret

*per CFR 29, Part 1910.1200; ingredients listed only if deemed hazardous and comprise 1% or greater of the composition (0.1% or greater for carcinogens).

Component Related Regulatory Information: This product may be regulated, have exposure limits or other information identified.

*** Section 4 - First Aid Measures ***

If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Center or a doctor.

*** Section 5 - Fire Fighting Measures ***

Extinguishing Media, PPE and Guidance for FireFighter: There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area. Alert Fire Department and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses.

Fire and Explosion Hazards: Noncombustible. Not considered a significant fire risk, however containers may burn. May emit poisonous fumes.

Decomposition Products: Oxides of carbon and sulfur

*** Section 6 - Accidental Release Measures ***

Containment and Clean up procedures must be conducted in accordance with all local, state, and federal regulations.

Containment and Clean-Up Procedures: Clean up all spills immediately. Avoid breathing vapors and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Moderate hazard. Clear area of personnel and move upwind. Alert Fire Department and tell them location and nature of hazard.

*** Section 7 - Handling and Storage ***

Handling and Storage Procedures: Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Product freezes @ 32° F.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines:

A. General Product Information: Follow all applicable exposure limits. Keep formation of airborne mists to a minimum.

B. Component Exposure Limits:

CAS #	HAZARDOUS INGREDIENT	OSHA PEL(mg/m3)	ACGIH TLV(mg/m3)
MIXTURE	SURFACTANTS	N.E.	N.E.

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*OSHA-PEL and ACGIH-TLV are 8-Hour TWA unless otherwise noted.

*per CFR 29, Part 1910.1200; ingredients listed only if deemed hazardous and comprise 1% or greater of the composition (0.1% or greater for carcinogens).

Engineering Controls: Set up ventilation to effectively remove and prevent buildup of any dust, vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face Protective Equipment: Wear appropriate eye protection to prevent eye contact.

Skin Protection: Wear appropriate personal protective clothing to prevent skin contact. The worker should immediately wash the skin when it becomes contaminated. Remove wet or significantly contaminated work clothing and replace.

Respiratory Protection: If ventilation is not sufficient to effectively prevent buildup of dust, mists or vapors, provide appropriate NIOSH/MSHA respiratory protection.

Personal Protective Equipment: Provide eyewash fountains in areas where there is any possibility that workers could be exposed to the substance; this is irrespective of the recommendation involving the wearing of eye protection.

Provide facilities for quickly drenching the body within the immediate work area for emergency use where there is a possibility of exposure. Depending on the specific circumstances, a deluge shower, a sink or hose could be considered adequate.

*** Section 9 - Physical & Chemical Properties ***

Physical State: Liquid

Color: Light amber, mild odor

pH: 5.5-6.5

Specific Gravity: 1.05

Evaporation Rate: N.E.

Solubility Water: Complete

Vapor Density: N.E.

Vapor Pressure: N.E.

Octanol-Water Coefficient: N.E.

Boiling Point: >212 F

Melting Point: Not Available

Flash Point: Not Available

Auto-Ignition Temperature: N.E.

Decomposition Temperature: N.E.

Flammability Limits - Low: N.A.

Hi: N.A.

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability: Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerization will not occur.

Conditions to Avoid: None

Incompatibility: May react with strong acids or oxidizing agents

Hazardous Polymerization: Will not occur.

*** Section 11 - Toxicological Information ***

Route of Exposure: Eye/skin contact, inhalation, ingestion.

Acute Toxicity:

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A: General Product Information

Eye Contact: Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn).

Skin Contact: The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Skin Absorption: No information available for this product.

Ingestion: The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.

Inhalation: The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Not normally a hazard due to non-volatile nature of product

Chronic Hazards: Skin contact with the material is more likely to cause a sensitization reaction in some persons compared to the general population. There is some evidence that inhaling this product is more likely to cause a sensitization reaction in some persons compared to the general population.

Medical Conditions Aggravated by Exposure: The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's edema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions.

Carcinogenicity:

a: Component Carcinogenicity:

None.

*** Section 12 - Ecological Information ***

Ecotoxicity:

A: General Product Information

No information available for this product.

B. Component Analysis - Ecotoxicity - Aquatic Toxicity:

No information available for this product.

Persistence and Mobility: No information available for this product

Environmental: DO NOT discharge into sewer or waterways.

Mobility in Soil: No information available.

*** Section 13 - Disposal Considerations ***

Wastes must be tested using methods described in 40 CFR Part 261. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous wastes. State and local regulations may differ from Federal disposal regulations. Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

US DOT Information: COMPOUNDS, PROPRIETARY ELECTROPLATING ADDITIVE, NOT D.O.T. REGULATED

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Marine Pollutant: No

IMDG Classification: None

IATA Classification: None

The data provided in this section is for information only and may not be specific for the package size or mode of transportation. See package label for further details.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

This material may contain chemicals, requiring identification under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

<u>HAZARDOUS COMPONENT</u>	<u>CERCLA RQ LBS.</u>	<u>SECT 302 TPQ LBS.</u>	<u>SECT 313* TOXIC</u>	<u>Maximum %</u>
No CERCLA or SARA 313 components				

Sara 311/312 Hazards:	Immediate (Acute)	True
	Chronic*	False
	Fire	False
	Sudden Release-of-Pressure	False
	Reactive	False

State Regulations

A: General Product Information

No additional information available.

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

*** Section 16 - Other Information ***

Revision Date:

Rev. 1, June 1, 2015

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Key/Legend:

ACGIH = American Conference of Governmental Industrial Hygienists	NFPA = National Fire Protection Association
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act	NIOSH = National Institute for Occupational Safety and Health
EPA = Environmental Protection Agency	NTP = National Toxicology Program
HMIS = Hazardous Material Identification System	OSHA = Occupational Safety and Health Administration
IARC = International Agency for Research on Cancer	SARA = Superfund Amendments and Reauthorization Act
MSHA = Mine Safety and Health Administration	TSCA = Toxic Substance Control Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Heatbath Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

This is the end of SDS for CHLOROMAX 3700 WT.