

Material Safety Data Sheet

Product Trade Name: **ZTROL**

ID: Q173

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

Product Trade Name: **ZTROL**

Manufacturer Information

Heatbath Corporation

P.O. Box 51048

Indian Orchard, MA 01151-5048

Contact Phone: (413) 452-2000

8:00 AM-5:00PM

CHEMTREC Emergency Phone: (800) 424-9300

24 Hours

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
Proprietary	Non Hazardous Ingredients	100

Additional Information:

This product is not considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview:

CAUTION! - Contact with this material can cause irritation to the skin, eyes and mucous membranes.

Eye Contact:

This product may irritate the eyes.

Skin Contact:

This product may irritate the skin.

Skin Absorption:

Not expected for this product.

Ingestion:

Ingestion may cause diarrhea, nausea and vomiting.

Inhalation:

Inhalation of mists of this product may cause irritation to the nasal passages and respiratory tract.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin, gastrointestinal and respiratory disorders may be aggravated by exposure.

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

Eye Contact:

If this chemical contacts the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately. Do not wear contact lenses when working with chemicals.

Skin Contact:

If this chemical contacts the skin, flush the contaminated skin with water promptly. Remove contaminated clothing, wash before reuse or discard. If irritation persists or develops after washing, get medical attention.

Ingestion:

If this chemical has been swallowed, get medical attention immediately. Give victim several glasses of water to drink. Do not give anything by mouth to an unconscious person.

Inhalation:

If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. If breathing difficulty persists or develops, get prompt medical attention.

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First Aid: Notes to Physician

No additional information is available.

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

Flash Point:	> 212 °F	Upper Flammable Limit (UFL):	Not applicable
Flammability Classification:	Nonflammable	Lower Flammable Limit (LFL):	Not applicable

Fire & Explosion Hazards:

None expected.

Decomposition Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide, low molecular weight hydrocarbons and/or toxic sulfur oxide (SO_x) fumes.

Extinguishing Media:

Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:

Firefighters: Wear full protective clothing including self-contained breathing apparatus. Properly decontaminate all equipment after use.

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

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

Containment Procedures:

Stop the flow of material, if this can be done without risk. Wear appropriate protective equipment and clothing during clean up. Keep unnecessary and unprotected people away from area of spill.

Clean-Up Procedures:

Absorb spill with inert material and transfer material into appropriate container(s) for disposal. Dispose of collected material according to local, state, and federal regulations

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

Handling Procedures:

Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. This product is for industrial use only. Do not take internally.

Storage Procedures:

Freezing damages this product. Keep container tightly closed when not in use. Store in a cool, well-ventilated area away from incompatible materials. Protect against physical damage.

*** 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

No limits have been established for this product's components.

Engineering Controls:

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

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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.

Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of 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	Appearance:	Light Amber
Odor:	Mild	Vapor Pressure:	NA
Vapor Density:	NA	Boiling Point:	>212 °F (100 °C)
Specific Gravity:	1.02	pH:	10
Viscosity:	ND	VOC:	None
Solubility in Water:	Complete	Evaporation Rate:	NA
Percent Volatile:	ND	Percent Solids:	ND

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

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

Avoid freezing.

Incompatibility:

Do not expose this product to strong oxidizers or strong acids.

Decomposition Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide, low molecular weight hydrocarbons and/or toxic sulfur oxide (SO_x) fumes.

Hazardous Polymerization:

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity:

A: General Product Information

No information is available for the product.

B: Component Analysis - LD50/LC50

No information is available for this product's components.

Carcinogenicity:

A: General Product Information

No information is available for the product.

B: Component Carcinogenicity

None of this product's components are on IARC or NTP lists.

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Chronic Toxicity

No information is available for the product.

Other Toxicological Information:

No information is available for the product.

*** Section 12 - Ecological Information ***

Ecotoxicity:

A: General Product Information

No data is available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate:

No data is available for this product.

*** Section 13 - Disposal Considerations ***

Wastes must be tested using methods described in 40 CFR Part 261. It is the generator's responsibly 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

Proper Shipping Name NOT DOT REGULATED
Hazard Class
UN / NA Number
Packing Group
Product RQ (lb)

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information is available.

B: Component Analysis

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312: **Acute:** Yes **Chronic:** No **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

No information is available.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, PA or RI.

Other Regulations

A: General Product Information

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

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*** Section 16 – Other Information ***

NFPA Ratings: **Health:** 1 **Fire:** 0 **Reactivity:** 0 **Other:**
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Ratings: **Health:** 1 **Fire:** 0 **Reactivity:** 0 **Personal Protection:**
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

MSDS Change History:

8/17/04: Rev.06; MSDS as issued by Chemtech Finishing Systems.
1/18/05: Chemtech Finishing Systems acquired by Heatbath Corporation.
5/25/05: Rev.07; Chemtech MSDS issued under new manufacturer: Heatbath Corporation.
Sec.1 - Manufacturer Information Updated
Sec.16 - MSDS Change History section added
Sec.16 - Contact Information Updated

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.

Contact: Jeff Szotek
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This is the end of MSDS for ZTROL.