



MATERIAL SAFETY DATA SHEET

CWD-250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name : CWD-250
Material Uses : Corrosion and Scale Inhibitor

Supplier/Manufacturer : Clarity Water Technologies, LLC
P.O. Box 670
Twinsburg, OH 44087
Validation Date : 08/25/10
In Case of Emergency : 1- 800-535-5053 (INFOTRAC)
Information Phone : 1-866-429-8552

SECTION 2: HAZARDS IDENTIFICATION

Physical State : Coated Tablet
Color : White
Odor : Slight

Emergency Overview

Signal Word : WARNING!
Hazard Statements : MAY BE HARMFUL IF SWALLOWED.
Precautions : Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

OSHA/HCS Status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Routes of Entry : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes : No known significant effects or critical hazards.
Skin : No known significant effects or critical hazards.
Ingestion : May be harmful if swallowed.
Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Potential Chronic Health Effects

Chronic Effects : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental Effects : No known significant effects or critical hazards.
Fertility Effects : No known significant effects or critical hazards.
Target Organs : No known significant effects or critical hazards.

Over-exposure Signs/Symptoms

Inhalation : No specific data.
Ingestion : No specific data.
Skin : No specific data.
Eyes : No specific data.

Medical Conditions Generally : None known.
Aggravated by Exposure

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	% by weight
Disodium phosphate	7558-79-4	10-20
Benzotriazole	95-14-7	10-20
HEDP, tetrasodium salt	3794-83-0	15-25

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Though this product contains components that are considered hazardous, the nature of the product (coated tablet) makes it non-hazardous and the product as a whole is not regulated.

See Section 8 for Exposure Limits.
See Section 11 for Toxicological Data.

SECTION 4: FIRST AID MEASURES

Eye Contact	: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
Skin Contact	: Wash with soap and water. Get medical attention if symptoms occur.
Ingestion	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Inhalation	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Protection of First-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Notes to Physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance or 48 hours.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the Product	: No specific fire or explosion hazard.
Extinguishing Media	
Suitable	: Use an extinguishing agent suitable for the surrounding fire.
Not Suitable	: None known.
Special Exposure Hazards	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous Thermal Decomposition Products	: Decomposition products may include the following: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
Special Protective Equipment For Fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
Environmental Precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<u>Methods for Cleaning Up</u>	
Small Spill	: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large Spill	: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in designated, labeled waste container. Dispose of via licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

Handling	: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Other Precautions	: FOR INDUSTRIAL USE ONLY.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Recommended monitoring Procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Engineering Measures	: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Hygiene measure	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Physical State** : Coated Tablet.
- Flash Point** : Not available.
- Auto-ignition Temperature** : Not available.
- Flammable Limits** : Not available
- Color** : White.
- Odor** : Slight.
- pH** : Not available.
- Boiling/Condensation Point** : Not available.
- Melting/Freezing Point** : Not available.
- Critical Temperature** : Not available.
- Relative Density** : Not available.
- Vapor Pressure** : Not available.
- Vapor Density** : Not available.
- Odor Threshold** : Not available.
- Evaporation Rate** : Not available.
- Solubility** : Coating is insoluble. Tablet is completely soluble.
- LogK_{ow}** : Not available.

SECTION 10: STABILITY AND REACTIVITY

- Chemical Stability** : The product is stable.
- Conditions to Avoid** : No specific data.
- Incompatible Materials** : Reactive or incompatible with the following materials: no specific data.
- Hazardous Decomposition Products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Possibility of Hazardous** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Hazardous Polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity data

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>	<u>Duration</u>
Benzotriazole	LD50	>1 g/kg	Dermal	Rat	-
	LD50	560 mg/kg	Oral	Rat	-

Chronic Toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitizer

Not available.

Carcinogenicity

Not available.

Mutagenicity

Not available.

Teratogenicity

Not available.

Reproductive Toxicity

Not available.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Effects : No known significant effects or critical hazards.
Persistence/Degradability : Not available
Other Adverse Effects : No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14: TRANSPORT INFORMATION

DOT Proper Shipping Name : Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any.

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations : TSCA: All components listed on TSCA inventory.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Benzotriazole
SARA 311/312 MSDS distribution – chemical inventory – hazard identification: Benzotriazole: Immediate (acute) health hazard

CERCLA: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 Accidental release prevention: No products were found.
Clean Air Act (CAA) 112 Regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 Regulated toxic substances: No products were found.

State Regulations : **Connecticut Carcinogen Reporting:** None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida Substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.

Massachusetts Substances: The following components are listed:
Benzotriazole
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.
California Prop. 65: This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm: None known.

SECTION 16: OTHER INFORMATION

Label Requirements : MAY BE HARMFUL IF SWALLOWED.

Hazardous Material Information System (U.S.A.) :

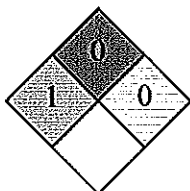
Health	1
Flammability	0
Reactivity	0
Personal Protective Equipment	B

Hazard Ratings

4 = Extreme
 3 = Serious
 2 = Moderate
 1 = Slight
 0 = Minimal
 * = Chronic

See section 8 for more detailed information on personal protection

National Fire Protection Association (U.S.A.) :



Date of Issue :
Date of Previous Issue :
Version :

Disclaimer

All information, recommendations, and suggestions appearing herein concerning this compound are based upon data obtained from the raw material manufacturers and/or recognized technical sources; however, Clarity Water Technologies, LLC makes no warranty, representation, or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Since actual use by others is beyond our control, Clarity Water Technologies, LLC makes no warranty, express or implied, as to the effects of such use, the results to be obtained or the safety and toxicity of the product. The data in this MSDS relate only to the specific product designated herein and do not relate to use in combination with any other material or in any process.