

SDS Chemway 981

Section 1 Identification

Product: Chemway 981

Other Means of Identification: Clear liquid with faint characteristic odor.

Recommended Use and Restrictions on Use: Industrial boiler water treatment. Not for use in drinking water.

Source: Chemway
P.O.Box 10913
Pittsburgh, PA 15236

Emergency Phone: Chemtrec (800) 424-9300
Office Phone: (412) 559-9879
Website:

Section 2 Hazard(s) Identification

Classification 29 CFR 1910.1200: Product is non-hazardous by OSHA criteria.

Signal Word: No signal word.
Hazard Statement(s): Not applicable. May cause mild irritation to skin or eyes following prolonged contact.

Precautionary Statements: None required.
Wear safety glasses with side shields and protective rubber gloves.
If on skin: Wash with plenty of water. No specific treatment identified.
If in eyes: Rinse with water for several minutes. Remove contact lenses, if present and easy to do.
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
If swallowed: Rinse mouth. DO NOT induce vomiting.
Dispose of contents or container in accordance with local, state, and federal regulations.

Hazards not Otherwise Classified: None known.
Ingredients with Unknown Toxicity: None known.
Potential Environmental Effects: None known. Product does contain a small percentage of phosphate.

Section 3 Composition/Information on Ingredients

Chemway 981 contains 15 – 25% sodium hexametaphosphate (CAS# 10124-56-8).

Section 4 First-Aid Measures

- Eyes:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Consult a physician if irritation develops.
- Skin:** If on skin (or hair): Immediately, take off all contaminated clothing. Wash thoroughly with soap and water. Consult physician if irritation develops.
- Inhalation:** If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.
- Ingestion:** If swallowed: Rinse mouth. Do NOT induce vomiting. Consult physician if symptoms occur.
- Acute Symptoms:** None known.
- Delayed Effects:** None known.

Immediate or Special Treatment Requirements: None known.

Section 5 Fire Fighting Measures

- Suitable Extinguishing Media:** Use media appropriate for surrounding fire.
- Specific Hazards:** Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. Thermal decomposition under fire conditions may produce oxides of carbon.
- Special PPE & Precautions:** Wear self-contained breathing apparatus and full turn-out gear. If possible, move containers away from fire. Cool fire exposed containers with water spray.

Section 6 Accidental Release Measures

- Personal Precautions, PPE, & Emergency Procedures:** Wear chemical splash goggles and protective industrial rubber gloves. When conditions warrant use, add face shield, apron, and/or rubber boots. If spill escapes to sanitary sewer, notify local public works authorities. If spill escapes to the

environment, notify state and federal EPA and, if appropriate, the Coast Guard.

Containment & Clean-Up: Contain and collect spills with commercial absorbents. Consult local authorities for appropriate waste disposal options in your location. Unused product or spill cleanup residues are not RCRA hazardous waste.

Section 7 Handling and Storage

Precautions for Safe Handling: Open container slowly until pressure is relieved. Avoid spillage. Clean up small spills and drips promptly. Protect product from contamination. Avoid contact between this product and other chemicals.

Conditions for Safe Storage: Store product in closed container in well ventilated, secure area. Protect containers against physical damage. Protect label. Empty containers retain product residues and all label hazards are still present until container is thoroughly cleaned. The recommended disposal for rinse waters from empty units is discharge to the treated system.

Section 8 Exposure Controls/Personal Protection

None of the components have assigned exposure limits.

Engineering Controls: General exhaust ventilation is adequate. Employ work practices and product transfer practices that avoid spills, drips, or contact with incompatible material.

Individual Protection/PPE: Wear chemical splash goggles and protective industrial rubber gloves. When conditions warrant use, add face shield, apron, and/or rubber boots.

Section 9 Physical and Chemical Properties

Appearance (physical state, color, etc.):	Clear liquid
Odor:	Faint characteristic odor
Odor threshold:	not known
pH:	~6.0 – 7.0
Melting point/freezing point:	<32° F
Initial boiling point and boiling range:	>212° F
Flash point:	None. Not flammable
Evaporation rate:	Similar to water
Flammability (solid, gas):	Not flammable

Lower/Upper flammability or explosive limits: None, not flammable.

Vapor pressure:	Not known, similar to water.
Vapor density:	Not known, similar to water.
Relative density:	Specific gravity, 1.17 – 1.19
Solubility(ies):	Completely miscible in water
Partition coefficient: n-octanol/water:	Not known
Auto-ignition temperature:	None, not flammable
Decomposition temperature:	Not known, > 212° F
Viscosity:	Not known

Section 10 Stability and Reactivity

Reactivity:	Product may react with water reactive substances or concentrated acid.
Chemical stability:	Stable at ambient temperatures and pressures.
Possibility of Hazardous Reactions:	Under normal storage conditions, hazardous reactions will not occur.
Conditions to Avoid:	Contact with water reactive substances or concentrated acid.
Incompatible Materials:	Water reactive substances or concentrated acid.
Hazardous Decomposition Products:	Thermal decomposition under fire conditions may produce oxides of carbon.

Section 11 Toxicological Information

Likely Routes of Exposure:	Eye or skin contact.
Symptoms Related to Physical, Chemical, and Toxicological Characteristics:	Product may cause mild irritation to eyes, skin, mucous membranes, and other tissues following prolonged contact.
Immediate Effects:	Slight irritation to eyes, skin, or other tissues.
Chronic Effects:	None known.
Numerical Measures of Toxicity:	No toxicology available on the formulated product.
Carcinogenicity:	None of the product ingredients are listed as carcinogens by IARC, NTP, or OSHA.

Section 12 Ecological Information

Estimated Ecotoxicity: No product ingredients are toxic to fish or aquatic invertebrates by UN GHS criteria.

Persistence and Degradability: One nonhazardous ingredient is not expected to be readily biodegradable. A phosphate ingredient will fertilize algal growth and persist in a phosphorus cycle of aquatic ecosystems.

Bioaccumulative Potential: Product ingredients are not known to bioaccumulate.

Mobility in Soil: No data available.

Other Adverse Effects: None known. Product does contain a small percentage of phosphate. Phosphate can contribute to eutrophication in aquatic ecosystems.

Section 13 Disposal Considerations

Product is consumed during recommended use. Flush container residues to the treated system. If product is not consumed in use, material is not a RCRA hazardous waste. Dispose of contents or container in accordance with local, state, and federal regulations.

Section 14 Transport Information

Not regulated.

Section 15 Regulatory Information

US EPA SARA Title III, EPCRA	
Section 312	Not listed.
Section 313	Not listed.
US EPA CERCLA	None.
US EPA TSCA:	All ingredients listed or exempt.

Section 16 Other Information

NFPA Hazard Ranking

Health	Fire	Reactivity	Special
1	0	0	none

HMIS Hazard Ranking

Health	Fire	Reactivity	PPE
1	0	0	b or x (defined below)

b – safety glasses and gloves

x – consult supervisor

References

1. Manufacturers' SDS on file for raw materials used in this product.
2. 29 CFR 1910.1200. Current OSHA e-CFR edition as of April 2014.
3. ANSI Z400.1/Z129.1-2010. Hazard Evaluation and Safety Data Sheet and Labeling Preparation. American National Standards Institute, Inc., New York, NY. 2010.
4. The Globally Harmonized system of Classification and Labeling of Chemicals. (Purple Book) United Nations. 2010.
5. ACGIH. Threshold Limit Values and Biological Exposures Indices. 2013.
6. 49 CFR 172.101, Hazardous Materials Table. Current DOT e-CFR edition as of April 2014.
7. EPA List of Lists. Current edition as of October 2012.

Date of Preparation

May 19, 2016