

# SDS Chemway 992

## Section 1 Identification

Product: Chemway 992

Other Means of Identification: Clear to pale yellow liquid with slight odor.

Recommended Use and Restrictions on Use: Industrial water treatment biocide. Not for use in drinking water. EPA / FIFRA regulated biocide.

Source: Chemway

P.O.Box 10913

Pittsburgh, PA 15236

Emergency Phone: Chemtrec. (800) 424-9300

Office Phone: (412) 559-9879

## Section 2 Hazard(s) Identification

Emergency Overview:

ACUTE TOXICITY (oral) – Category 4.

ACUTE TOXICITY (inhalation) – Category 4.

SERIOUS EYE DAMAGE / EYE IRRITATION – Category 2B.

Classification 29CFR1910.1200: Product is hazardous by OSHA criteria.

Signal Word: WARNING

Hazard Statements:

Causes eye irritation.

Harmful if swallowed or inhaled.

Pictograms(s):

Health Hazard  
Irritant



Irritant

**Precautionary Statements:**

Wear eye or face protection. Use only outdoors, or in a well ventilated area. Avoid breathing vapors. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF ON SKIN: Rinse thoroughly with water for 15-20 minutes. Consult physician if irritation develops.

Keep in original container. 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.

### Section 3 Composition / Information on Ingredients

Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride

CAS# 31512-74-0

15% active

### Section 4 First-Aid Measures

**Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

**Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

## Section 5 Fire Fighting Measures\

**Suitable Extinguishing Media:** Product is not flammable. Use media appropriate for surrounding fire.

**Specific Hazards:** In a fire, or if heated, a pressure increase will occur and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer, or drain.

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, and halogenated compounds.

**Special ppe & Precautions:** Wear positive pressure self-contained breathing apparatus and full turn-out gear. Isolate the scene by removing all persons from the vicinity of the incident if there is no fire. No action shall be taken involving any personal risk or without suitable training.

## Section 6 Accidental Release Measures

**Personal Precautions, PPE, & Emergency Procedures:** Avoid breathing vapor or mist. Provide adequate ventilation. Wear chemical splash goggles and protective industrial rubber gloves. When conditions warrant use, add face shield, apron, and/or rubber boots. Product may be slippery underfoot. If a large quantity spill escapes to sanitary sewer, notify local public works authorities. If spill escapes to the environment, notify state and federal EPA.

**Containment & Clean-Up:** Contain and collect spills with commercial absorbents. Consult local authorities for appropriate waste disposal options in your location.

## 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. Avoid contact with metals during handling. Do not transfer into metal containers. The recommended disposal for rinse waters from empty units is discharge to the treated system.

**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.

## Section 8 Exposure Controls / Personal Protection

**Engineering Controls:** General exhaust ventilation is adequate. Employ work practices and product transfer practices that avoid spills, drips, or contact with any 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, pale yellow liquid
Odor:	Slight
Odor threshold:	Not known
pH:	6
Melting point / freezing point	NA
Initial boiling point and boiling range	> 212 F
Flash point	None, not flammable
Evaporation rate	Similar to water
Flammability (solid, gas):	Not flammable
Upper/lower 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, 1.03
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

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: No specific test data available.

Chemical Stability: Stable at ambient temperatures and pressures.

Possibility of Hazardous Reactions: Under normal conditions hazardous reactions will not occur.

Conditions to avoid: No specific data.

Incompatible Materials: No specific data.

Hazardous Decomposition Products: Under normal storage and use conditions hazardous decomposition products should not be produced.

## Section 11 Toxicological Information

Likely Routes of Exposure: Eye or skin contact.

Delayed Effects: None known.

Immediate Effects: Irritation eyes, skin, or other tissues.

Chronic Effects: None known.

Numerical Measures of Toxicity:

Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride).

LD50 oral / rat – 1850 mg/kg

LC50 inhalation / dusts and mists, rat, 4 hrs. – 2.9 mg/l

LD50 dermal rabbit - >2000 mg/kg

LD50 oral female - >2587 mg/kg

LD50 rat – 1951 mg/kg

## Section 12 Ecological Information

Daphnia, Acute EC50 / 48 hrs. – 0.37 mg/l

Daphnia, Acute EC50 / 48 hrs. - >7.5 mg/l

Fish, Acute LC50 / 96 hrs. – 6.7 mg/l

Fish, Acute LC50 / 96 hrs. – 0.21 mg/l

Fish, Acute LC50 / 96 hrs. – 0.26 mg/l

Fish, Acute LC50 / 96 hrs. – 0.047 mg/l

Mobility in Soil: Not known.

Other Adverse Effects: None known.

## Section 13 Disposal Considerations

Product is consumed during recommended use. Flush container residues to the treated system. Dispose of contents or container in accordance with local, state, and federal regulations.

## Section 14 Transport Information

Not DOT regulated.

Transport in Bulk: Product container meets or exceeds DOT requirements. Product is shipped to end user. No extraordinary measures are required for shipment in bulk tanks including totes. See

49 CFR 172.101 & 49 CFR 172.102.

Special precautions: None known.

## Section 15 Regulatory Information

This product is a biocide, and is subject to regulation under the US Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), and is therefore exempt from US Toxic Substances Control Act (TSCA) Inventory listing requirements.

Clean Water Act (CWA) 307: bis(2-chloroethyl)ether

Clean Water Act (CWA) 311: bis(2-chloroethyl)ether

This product is not allowed for food contact uses.

EPA Registration Number: 1448-212-66710

FIFRA regulated biocides are exempt from OSHA labeling requirements.

US EPA TSCA: exempt

## Section 16 Other information

NFPA Hazard Ranking

Health – 1, Fire – 1, Reactivity – 0, Special –

HMIS Hazard Ranking

Health – 1, Fire – 1, Reactivity- 0, PPE – n & p or x (defined below)

n – splash goggles

p – gloves

x – consult supervisor

**Date of Preparation: March 8, 2017**