

SDS AMCO 251

Section 1 Identification

Product: AMCO 251
Other Means of Identification: Clear, amber liquid with a faint characteristic odor
Recommended Use and Restrictions on Use: Boiler water treatment. Not for use in drinking water.
Source: AMCO Inc.
P. O. Box 754
Chagrin Falls, OH 44022
Emergency Phone: Chemtrec (800) 424-9300
Office Phone: (440) 247-7533

Section 2 Hazard(s) Identification

Emergency Overview: Clear, amber nonhazardous liquid with a faint characteristic odor.

Classification 29 CFR 1910.1200: Product is not hazardous by OSHA criteria.

Signal Word: None
Hazard Statement(s): None required
May cause mild irritation to skin or eyes following prolonged contact

Pictogram(s):

None

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

Hazardous Ingredient(s)	Common Name	CAS#	% by Wt
None	None	None	None---

Section 4 First-Aid Measures

Eyes:	If in eyes: Rinse with water for several minutes. Remove contact lenses, if present and easy to do.
Skin:	If on skin: Wash with plenty of water. No specific treatment identified.
Inhalation:	If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
Ingestion:	If swallowed: Rinse mouth. Do NOT induce vomiting.
Acute Symptoms:	None known.
Delayed Effects:	None known.

Immediate or Special Treatment Requirements:
No additional treatment indicated.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media:	Product is not flammable. Use media appropriate for surrounding fire.
Specific Hazards:	Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. Under fire conditions, some ingredient residues may burn after loss of water. Thermal decomposition under fire conditions may produce oxides of carbon.
Special PPE & Precautions:	Wear self-contained breathing apparatus and full turn-out gear. Approach fire from upwind direction. 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 safety glasses with side shields and protective rubber gloves. When conditions warrant use, add apron, and/or rubber boots. Product may be slippery underfoot. 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. Unused product or spill cleanup residues are not RCRA hazardous waste. 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. 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.

Section 8 Exposure Controls/Personal Protection

Exposure limits for the formulated product are not established. Product is not hazardous by OSHA criteria.

Engineering Controls:	General exhaust ventilation is adequate. Employ work practices and product transfer practices that avoid spills, drips, or contact with any incompatible material.
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Individual Protection/PPE: No OSHA GHS hazards identified. Employ basic safety PPE appropriate to product use. Most often, safety glasses with side shields and protective rubber gloves. When conditions warrant use, add apron, and/or rubber boots.

Section 9 Physical and Chemical Properties

Appearance (physical state, color, etc.):	Clear, amber liquid
Odor:	Faint characteristic odor
Odor threshold:	Not known
pH:	~7.0 – 8.0
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
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, ~1.158
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:	Hazardous reactions are not likely. Polymerization 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:	None known. Thermal decomposition under fire conditions may produce oxides of carbon.

Section 11 Toxicological Information

Likely Routes of Exposure:	Skin or eye contact
Symptoms Related to Physical, Chemical, and Toxicological Characteristics:	None known. May cause mild irritation to skin or eyes following prolonged contact.
Delayed Effects:	None known
Immediate Effects:	None known
Chronic Effects:	None known
Numerical Measures of Toxicity:	No toxicology available on the formulated product. Ingredients are not toxic by OSHA GHS criteria.
Carcinogenicity:	None of the product ingredients contain > 0.1% of substances listed as carcinogens by IARC, NTP, or OSHA.

Section 12 Ecological Information

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 nutrient cycle in aquatic ecosystems.
Bioaccumulative Potential:	Product ingredients are not known to bioaccumulate.
Mobility in Soil:	Not known.
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 RCRA hazardous waste. Dispose of contents or container in accordance with local, state, and federal regulations.

Section 14 Transport Information

UN Number:	Not DOT regulated
UN Proper Shipping Name:	Not DOT regulated
Transport Hazard class(es)	None
Packing Group:	None
Environmental Hazards:	Does not contain ingredient(s) listed as marine pollutant.
Transport in Bulk:	Not DOT regulated
Special Precautions:	Not DOT regulated

Section 15 Regulatory Information

US EPA EPCRA SARA Section 312:	No hazard
US EPA EPCRA SARA Section 313:	Not listed
US EPA CERCLA	Not listed
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 eCFR edition as of September 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. 2009.
5. ACGIH. Threshold Limit Values and Biological Exposures Indices. 2014.
6. 49 CFR 172.101, Hazardous Materials Table. Current DOT eCFR edition as of September 2014.
7. EPA List of Lists. EPA 550-B-10-001. July 2011.

Date of Preparation

[September 22, 2014](#)

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