

SECTION 1: IDENTIFICATION

Product Name: OS-1400
SDS Number: 251112-1
Product Description: Water Treatment Chemical
Revision Date: 06/03/2025
Product Use: Water Treatment
Company: Apex Water + Process
 12270 43rd Street NE
 St. Michael MN 55376
Website: www.TeamApex.com
Contact: Non-Emergency 1-844-603-4077
Emergency Response: **For Hazardous Materials Incident, Spill, Leak, Fire, Exposure, or Accident Call: CHEMTREC at (800) 424-9300 CCN 1018609**

SECTION 2: HAZARD IDENTIFICATION

Hazard Classification: Eye Damage – Category 1
 Respiratory Sensitizer – Category 1B
 Skin Sensitizer – Category 1A
 Germ Cell Mutagen – Category 2
 Carcinogen – Category 1B
 Reproductive Toxicity – Category 1B

Signal Word(s): DANGER

Pictograms:



Hazard Statements: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 May cause an allergic skin reaction.
 Causes skin irritation.
 Causes serious eye irritation.
 Suspected of causing genetic defects.
 May cause cancer.
 May damage fertility.

Precautionary Statements

Prevention: Read SDS and label before use. Always wear appropriate PPE. Wash affected body parts thoroughly after handling. Do not eat, drink, or smoke when using this product. Keep out of reach of children. Do not breathe mist/spray.

Response: IF SWALLOWED: Do not induce vomiting. Rinse mouth with water; IF ON SKIN OR HAIR: Wash with plenty of water; IF IN THE EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell; IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.

Storage: See Section 7.

Disposal: Dispose of contents and container in accordance with federal, state, and local regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	CHEMICAL NAME	% WT.
7757-83-7	Sodium Sulfite	75 – 100

Confidential business information has been removed without affecting the overall safety information on the safety data sheet.

SECTION 4: FIRST AID MEASURES

Eyes: Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15 to 20 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

Skin Contact: Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15 to 20 minutes). Get medical advice/attention.

Ingestion: Treat symptomatically and supportively. Do not induce vomiting. Immediately call a poison center/doctor.

Inhalation: Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Maintain airway and blood pressure and administer oxygen if available. Keep affected person warm and at rest. Qualified personnel should perform administration of oxygen. Get medical attention.

Note to Physician: Treat symptomatically and supportively.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Agents: Product is nonflammable. Use extinguishing media appropriate for material in surrounding fire.

Specific Hazards During Firefighting: May release toxic and irritating sulfur oxides at fire temperatures

Specific Extinguishing Methods: As in any fire, wear a self-contained breathing apparatus in pressure-demand MSH/NIOSH (approved or equivalent), and full protective gear. Move container from fire area if possible. Do not scatter spilled material with more water than needed for fire control and dike fire control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors and keep upwind.

Specific PPE for Firefighters: In the event of fire, wear a self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

SECTION 6:

ACCIDENTAL RELEASE MEASURES

Spill Response: Use caution when combining with water. Do not add water to caustic. Always add caustic to water while stirring to minimize heat generation. Do not touch spilled material. Stop leak if you can do it without risk. For larger spills, dike far ahead of the spill for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry. Ventilate area. Eliminate all sources of ignition. Avoid inhalation and dermal contact. Wear appropriate PPE as described in section 8. For small spills, take up with sand or other absorbent material and place in containers for later disposal. For small dry spills, with clean shovel place material into clean, dry container and cover. Move container from the spill area.

Spill Notification: Determine if federal, state, and/or local release notification is required.

SECTION 7:

HANDLING AND STORAGE

Advice on Safe Handling: Wear personal protective equipment.
Handle with care.
Take care to avoid waste and spillage when weighing, loading and mixing the product.

Conditions for Safe Storage: No smoking.
Keep in properly labelled containers.
Observe label precautions.
Keep containers tightly closed in a dry, cool and well-ventilated place.

Materials to Avoid: Do not freeze.
Keep away from food and drink.
Keep away from tobacco products.
Keep away from heat, sparks, and flames.

SECTION 8:

EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL) or OSHA (PEL).

COMPONENT	TYPE	VALUE/NOTATION
Sodium Metabisulfite	TLV	5 mg/m ³ TWA
Cobalt Sulfate	TLV PEL	0.02 mg/m ³ TWA 0.1 mg/m ³ (metal dust and fume)
Sulfur Dioxide (Decomposition product)	PEL STEL	5 ppm TWA 0.25 ppm STEL

Engineering Controls: Provide local exhaust ventilation as needed to control misting. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment:



Body Protection: Impervious clothing. Have safety showers available where skin contact can occur.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Full face respirator. Have eye-wash stations available where eye contact can occur.

Respiratory Protection: The specific respirator selected must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator, and must be approved by NIOSH. Normally a respirator for dust, mist and/or sulfur dioxide gas would be adequate.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gray crystals or powder
Odor:	No appreciable odor
Odor Threshold:	No data available
pH:	8.4 (@ 1% Solution)
Melting Point/Freezing Point:	Sodium metabisulfite rapidly decomposes above 150°F
Boiling Point/Range:	No data available
Flash Point:	N/A
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/Lower Explosion Limit:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	2.63
Water Solubility:	100%
Partition Coefficient: n-octanol/water:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	This material is stable under normal temperatures and pressures.
Possibility of Hazardous Reactions:	Stable under recommended storage conditions.
Conditions to Avoid:	Keep away from heat, sparks, and flames. Store in a cool, dry, well-ventilated area. Do not freeze. Store away from incompatible materials. Sulfite may, in acidic solutions, release toxic and hazardous fumes of sulfur oxides. Contact with powdered potassium, sodium metals, alkali, and oxidizing agents produce violent reactions. Reacts with water and steam to form corrosive sulfuric acid. Reacts with chlorates to form unstable chlorine dioxide.
Incompatible Materials:	form unstable chlorine dioxide.
Hazardous Decomposition Products:	Sulfur dioxide gas and sodium sulfide residue.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD50 (Rat) > 2,000 mg/kg
Skin:	Irritant.
Eye:	Irritant.
Respiratory:	Irritant. Inhalation of sulfite dust may cause irritation to the mucous membranes of the upper respiratory tract. May cause severe allergic reactions in some asthmatics and sulfite-sensitive individuals.
Ingestion:	May gastric irritation by the liberation of sulfurous acid. May cause severe allergic reactions in some asthmatic and sulfite-sensitive individuals.
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No components list as a carcinogen.
Reproductive Toxicity:	No data available
STOT (Single):	No data available
STOT (Repeated):	No data available
Aspiration Hazard:	No data available

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:	LC50, 48 hr static – 440 mg/L (Daphnia magna)
Persistence & Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Other Adverse Effects:	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
Disposal Considerations:	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number:	N/A
Description of the Goods:	DOT Not Regulated
Class:	N/A
Packing Group:	N/A
Environmental Hazards:	Not determined
	DOT Transportation data (49 CFR 172.101)

SECTION 15:

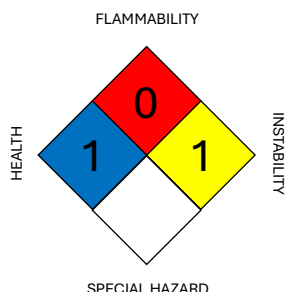
REGULATORY INFORMATION

TSCA Inventory Status: All ingredients are listed as active on the TSCA inventory
DSCL (EEC): All ingredients are listed as active on the DSCL inventory
California Proposition 65: Not Listed
SARA 302: N/A
SARA 304: Not Listed
SARA 311: Acute Health Hazard
SARA 312: Acute Health Hazard
CERCLA: N/A

SECTION 16:

OTHER INFORMATION

NFPA:



Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

HMIS III:

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

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1