HL-2116

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: **HL-2116**
SDS Number: 260428-2
Product Description: Water Treatment Chemical
Revision Date: 04/28/2026
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:
Oxidizing Solid, Category 3
Acute Toxicity, Oral, Category 3
Serious Eye Irritation, Category 2A
Hazardous to the Aquatic Environment, Acute Hazard, Category 1
Hazardous to the Aquatic Environment, Long-term exposure, Category 1

Signal Word(s): **DANGER**
Pictograms:

Hazard Statements: May intensify fire; oxidizer. Toxic if swallowed. Causes serious eye irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

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 dust. Avoid release to the environment.

Response: IF ON SKIN OR HAIR: Take off immediately all contaminated clothing. Rinse skin with water; IF IN THE EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; IF INHALED: Remove person to fresh air and keep comfortable for breathing; IF SWALLOWED: Do not induce vomiting. Rinse mouth with water; Immediately call a POISON CENTER or doctor/physician.

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.
7632-00-0	Sodium Nitrite	Proprietary
1303-96-4	Sodium Diborate Decahydrate	Proprietary
29385-43-1	Tolyltriazole	Proprietary
6834-92-0	Sodium Metasilicate Anhydrous	Proprietary

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

SECTION 4: FIRST AID MEASURES

Eyes: Flush eyes with plenty of running water for 15 minutes. Seek medical attention.

Skin Contact: Wash off with soap and plenty of water. Remove contaminated garments and wash or destroy. Consult a physician if irritation develops.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

Note to Physician: Ingestion may cause methemoglobinemia. Initial manifestation of methemoglobinemia is cyanosis, characterized by navy lips, tongue and mucous membranes, with skin color being slate grey. Further manifestation is characterized by headache, weakness, dyspnea, dizziness, stupor, respiratory distress and death due to anoxia. If ingested, nitrates may be reduced to nitrites by bacteria in the digestive tract. Signs and symptoms of nitrite poisoning include methemoglobinemia, nausea, dizziness, increased heart rate, hypotension, fainting and, possibly shock. Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Agents: Water Mist

Unusual Fire and Explosion Hazard: Material is a strong oxidizing agent. May intensify fire. May combine with various metals (at decomposition) to form further flammable mixtures

Specific Extinguishing Methods: 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: Exposure to decomposition products may be a hazard to health. As in any fire, wear a self-contained breathing apparatus in pressure-demand MSH/NIOSH (approved or equivalent), and full protective gear.

Hazardous Combustion Products: Oxides of boron, carbon, nitrogen

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Immediately evacuate personnel to safe areas. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them. Wear appropriate personal protective equipment.

Methods and materials for containment and cleaning up: Refer to attached safety data sheets and/or instructions for use. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Should not be released into the environment. This product is miscible in water. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Prevent entry into waterways, sewers, basements or confined areas. Stop leak if you can do so without risk. Collect spillage. Clean contaminated surface thoroughly. Sweep up or gather material and place in appropriate container for disposal. After removal flush contaminated area thoroughly with water. Avoid dust formation. Following product recovery, flush area with water. Clean up in accordance with all applicable regulations. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. For waste disposal, see section 13 of the MSDS.

Environmental precautions: Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water

SECTION 7: HANDLING AND STORAGE

Advice on Safe Handling: Take any precaution to avoid mixing with combustibles. Keep away from heat. Minimize dust generation and accumulation. Do not breathe dust. Do not taste or swallow. Avoid contact with eyes. Use only outdoors or in a well-ventilated area. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

Conditions for Safe Storage: Store locked up. Keep away from heat. Store in a well-ventilated place. Keep container tightly closed. Do not store near combustible materials. Keep out of the reach of children. Store in a cool, dry place out of direct sunlight.

Materials to Avoid: Do not freeze. Keep away from incompatible materials. Keep away from food and drink, tobacco products, heat, sparks, or 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 Diborate Decahydrate 1303-96-4	TWA	5 mg/m^3

Engineering Controls: Provide local exhaust ventilation as needed. 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: Chemically resistant materials and fabrics.
Wear chemically protective boots, aprons and gauntlets to prevent prolonged or repeated skin contact.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Wear protective eyeglasses or chemical safety splash goggles, per OSHA eye-and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Respiratory Protection: A NIOSH-approved particulate filtering facepiece respirator (like N95 or higher) is necessary to prevent inhalation.

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: White, granular solid
Odor: Slight, characteristic odor
Odor Threshold: No data available
pH: Not Applicable
Melting Point/Freezing Point: No data available
Boiling Point/Range: No data available
Flash Point: No data available
Evaporation Rate: No data available
Flammability (solid, gas): N/A
Upper/Lower Explosion Limit: N/A
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: No data available
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. Keep in mind that this is a strong oxidizer and it will react with certain chemicals (see below).Stable under recommended storage conditions.
Possibility of Hazardous Reactions: Products will not undergo polymerization.
Conditions to Avoid: Incompatibles; Exposure to air or moisture over prolonged periods; Heat
Incompatible Materials: Strong reducing agents, strong acids and organic materials.
Hazardous Decomposition Products: Oxides of boron, carbon, and nitrogen

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available

Skin: May cause moderate irritation to the skin. May be toxic if absorbed into the skin.
Eye: Severe irritant to the eyes.
Respiratory: May be toxic if inhaled.
Ingestion: Toxic if swallowed.
Delayed: No data available
Chronic: No data available

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

Other Hazards: Ingestion, inhalation, or skin absorption may cause methemoglobinemia.

SECTION 12: ECOLOGICAL INFORMATION

COMPONENT	Acute Algae Toxicity:	Acute Fish Toxicity:	Toxicity to daphnia and other aquatic invertebrates:
Sentry HL-2116	Product may be toxic to aquatic life	Product may be toxic to aquatic life	LC50 (48 hr static) – 1.0 mg/L Ceriodaphnia dubia

Mobility: No information available
Persistence: No information available
Bioaccumulation Potential: No information available
Chemical Fate Information: No information available
Other Information: No other ecological studies have been carried out

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
Disposal Considerations: Dispose of in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: UN1479
Description of the Goods: UN1479, Oxidizing solid, N.O.S. (Sodium Nitrite), 5.1, PGIII, ER-140
Class: 5.1 – Oxidizer
Packing Group: PGIII, ER-140

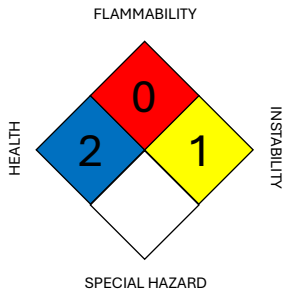
DOT Transportation data (49 CFR 172.101)

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: Not Listed
SARA 304: N/A
SARA 311: Acute Health Hazard, Fire Hazard
CERCLA: Sodium Nitrite (CAS 7632-00-0)
Clean Water Act: Hazardous Substance (Sodium Nitrite ; CAS 7632-00-0)
FD&C Act: This product is not approved for use in FDA applications

SECTION 16: OTHER INFORMATION

NFPA :



HMIS III:

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

HEALTH	**2**
FLAMMABILITY	**0**
PHYSICAL HAZARD	**1**

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.