



Nexus BC-4220

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: Nexus BC-4220
SDS Number: 250226-02
Product Description: Water Treatment Chemical
Revision Date: 02/26/2025
Product Use: Water Treatment
Company: Apex Water + Process
12270 43rd Street NE
St. Michael MN 55376
Website: www.TeamApex.com
Contact: Non-Emergency (952) 227-6610
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: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
1-4 (1 most severe)

Signal Word(s): None

Pictograms: None

Hazard Statements: None

Precautionary Statements

Prevention: Read SDS and label before use. Wash affected body parts thoroughly after handling. Keep out of reach of children.

Response: None

Storage: Store in accordance with local regulations.

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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 a large amount of water. Seek medical attention if irritation persists.

Skin Contact: Wash affected areas thoroughly with soap and water. Seek medical attention if any irritation persists.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if symptoms occur.

Inhalation: Remove to fresh air and treat symptomatically. Seek medical attention if symptoms occur.

Note to Physician: Show this safety data sheet to the doctor in attendance. The symptoms and effects are as expected from the hazards shown in section 2. No specific product related symptoms are known. No further relevant information available.

SECTION 5:

FIREFIGHTING MEASURES

Suitable Extinguishing Agents: Use measures appropriate for surrounding environment.

Specific Hazards During Firefighting: Burning produces irritant fumes. Exposure to decomposition products may be a hazard to health.

Specific Extinguishing Methods: Use measures appropriate for surrounding environment. Use water spray to cool unopened containers.

Specific PPE for Firefighters: Use personal protective equipment.

SECTION 6:

ACCIDENTAL RELEASE MEASURES

Spill Response: Use personal protective equipment. See Section 8 for more information. No environmental precautions known. Avoid uncontrolled discharge. Soak up with inert absorbent material. Sweep up and shovel. Pick up and transfer to properly labelled containers. Clean contaminated floors and objects thoroughly while observing environmental regulations.

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

SECTION 7:

HANDLING AND STORAGE

Advice on Safe Handling: Wash hands after handling. See Section 8 for more information.

Conditions for Safe Storage: Keep in properly labelled containers. Keep containers tightly closed in a dry, cool, and well-ventilated place. Do not store over 170°F. Do not freeze.

Materials to Avoid: None known.

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).

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: 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: No personal respirator required under normal conditions. If ventilation is insufficient, refer to OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA.NIOSH approved respirator.

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

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless liquid
Odor:	Slight
Odor Threshold:	No data available
pH:	6.0 – 7.0
Melting Point/Freezing Point:	0°C
Boiling Point/Range:	>90°C
Flash Point:	None
Evaporation Rate:	No data available
Flammability (solid, gas):	Not flammable
Lower Explosion Limit:	N/A
Upper Explosion Limit:	N/A
Vapor Pressure:	No data available
Relative Vapor Density (air=1):	No data available
Relative Density (water = 1):	0.99 (25°C)
Water Solubility:	Miscible
Partition Coefficient: n-octanol/water:	No data available
Viscosity, kinematic:	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:	Reacts with strong acids and oxidizing agents.
Chemical Stability:	Product is stable under normal storage and use conditions.
Possibility of Hazardous Reactions:	Product will not undergo polymerization.
Conditions to Avoid:	Avoid extreme temperatures. Keep container closed when not in use.
Incompatible Materials:	Strong acids and oxidizing agents.
Hazardous Decomposition Products:	None under normal storage and use conditions. Thermal decomposition may produce oxide of carbon (COx) or nitrogen (NOx).

SECTION 11:

TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Specific Target Organ Toxicity (Single):	No data available
Specific Target Organ Toxicity (Repeated):	No data available
Skin:	No data available. Not expected to cause irritation.
Eye:	No data available. Not expected to cause irritation.
Respiratory:	No data available. Not expected to cause irritation.
Carcinogenicity:	No known significant effects or critical hazards.
Reproductive Toxicity:	No known significant effects or critical hazards.

SECTION 12:

ECOLOGICAL INFORMATION

Aquatic Toxicity:	Ceriodaphnia dubia (Water Flea) 48-hr LC50: 381 mg/L Pimephales promelas (Fathead Minnow) 96-hr LC50: 277 mg/L
Elimination (Persistency & 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:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of unused product or waste 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
Environmentally Hazardous:	N/A
Marine Pollutant:	N/A

DOT Transportation data (49 CFR 172.101)

SECTION 15:

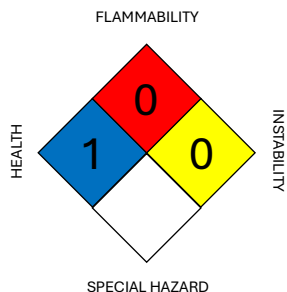
REGULATORY INFORMATION

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

SECTION 16:

OTHER INFORMATION

NFPA:



HMIS:

0 = Not Significant
 1 = Slight
 2 = Moderate
 3 = High
 4 = Extreme
 * = Chronic

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.

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0