

SECTION 1: IDENTIFICATION

Product Name: Hypura A50
SDS Number: 250815-04
Product Description: Water Treatment Chemical
Revision Date: 11/13/2024
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: Skin Irritation Category 2
 1-4 (1 most severe) Eye Irritation Category 2A

Signal Word(s): Warning

Pictograms:



Hazard Statements: Causes eye irritation.
 Causes mild skin irritation.
 Harmful if swallowed.
 May cause respiratory irritation.

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 soap and water; IF SKIN IRRITATION OCCURS: Get medical advice/attention; 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. or % Vol.
37971-36-1	2-Phosphonobutane-1,2,4-tricarboxylic acid	1 – 5
6419-19-8	Amino tri(methylene phosphonic acid)	1 – 5
Proprietary	Carboxylated Copolymer	10 – 20

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

SECTION 4: FIRST AID MEASURES

Eyes: Remove contact lenses. Flush eyes with plenty of running water for 15-20 minutes, occasionally lifting upper and lower eyelids. Seek medical attention if irritation persists.

Skin Contact: Wash affected areas thoroughly with soap and water for at least 15 minutes. Seek medical attention if any irritation persists. After first aid, get appropriate in-plant, paramedic or community medical support.

Ingestion: If swallowed, give 2 glasses of water to drink. DO NOT induce vomiting. After first aid, IMMEDIATELY seek appropriate in-plant, paramedic, or community medical support. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air and treat symptomatically. Provide oxygen if breathing is difficult. Give artificial respiration if the victim is not breathing. Seek prompt medical attention

Note to Physician: Treat symptomatically and supportively.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Agents: Alcohol Foam
Carbon Dioxide (CO₂)
Dry Chemical
Water Mist

Specific Hazards During Firefighting: Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.
Cool closed containers exposed to fire with water spray.
Do not allow run-off from firefighting to enter drains or water courses.

Specific Extinguishing Methods: User extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Specific PPE for Firefighters: In the event of fire, wear a self-contained breathing apparatus in pressure demand MSH/NIOSH (approved or equivalent), and full protective gear. 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. See 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 no freeze.
Keep away from food and drink.
Keep away from tobacco products.

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: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA.NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessel or storage tanks), wear and SCBA. Warning! Air-purifying respirators do not protect worker in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning and convenient sanitary storage areas.

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:	Clear, amber liquid
Odor:	Pungent
Odor Threshold:	No data available
pH:	2.5 – 3.5
Melting Point/Freezing Point:	No data available
Boiling Point/Range:	No data available
Flash Point:	Not flammable
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
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):	1.09 – 1.19
Water Solubility:	100%
Partition Coefficient: n-octanol/water:	No data available
Viscosity, kinematic:	No data available
Relative Vapor Density:	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:	Product is stable under normal storage and use conditions.
Possibility of Hazardous Reactions:	Stable under recommended storage conditions. Product will not go under polymerization.
Conditions to Avoid:	Avoid extreme temperatures. Keep container closed when not in use. Keep away from heat, sparks, and flames.
Incompatible Materials:	Strong acids, leather, wool, aluminum, zinc, tin and alloys, oxidizers or any type of reactive material.
Hazardous Decomposition Products:	None under normal storage and use conditions. Additional information, see Section 5.

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: Irritation to skin and potentially corrosive over longer term exposure.
Eye: Corrosive to eyes. Potentially permanent damage.
Respiratory: Might produce irritation to respiratory system.
Ingestion: Harmful if swallowed..
Carcinogenicity: No components list as a carcinogen.
Reproductive Toxicity: No data available

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity: Oncorhynchus mykiss, 96-hr LC50 = 555 mg/L
Daphnia magna, 48-hr EC50 = 1112 mg/L
Elimination (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
Environmentally Hazardous: N/A
Marine Pollutant: N/A

DOT Transportation data (49 CFR 172.101)

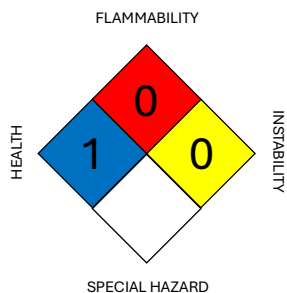
SECTION 15: REGULATORY INFORMATION

TSCA Inventory Status: All ingredients are listed as active on the TSCA inventory
DSCL (EEC): 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
SARA 311/312: Listed: Tier II RQ-10,000 lbs.
CERCLA: Listed: N/A

SECTION 16:

OTHER INFORMATION

NFPA:



HMIS III:

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