Eco Safe Clean Solutions
SAFETY DATA SHEET

Section 1: Identification

Product Name: Metalon PX

Eco Safe Clean Solutions
W229 N2512 Duplainville Road
Waukesha, WI 53186 USA
Tel: 1 800 572 4390

Emergency Phone:
CHEMTREC: Canada and USA - (800) 424-9300
CHEMTREC: In Mexico - 01-800-681-9531

Product Use: NA
Not recommended for: NA

Section 2: Hazard(s) Identification

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days

GHS Hazards

H315	Causes skin irritation
H319	Causes serious eye irritation

GHS Precautions

P264	Wash face, hands, and any exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P321	Specific treatment (see first aid treatment on SDS)
P362	Take off contaminated clothing and wash before reuse
P302+P352	If on skin: Wash with plenty of soap and water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice / attention
P337+P313	If eye irritation persists get medical advice / attention

Warning

Section 3: Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits

Hydroxyacetic acid 79-14-1 1 to 5% Vapor Pressure: 8.1 mmHg			
Trade Secret 1 to 5%			
Boric acid (H3BO3) 10043-35-3 0.1 to 1.0%		6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic) 2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	

Section 4: First-aid Measures

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

Eye Contact

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire-fighting Measures

Extinguishing Media

Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog.

Specific Hazards Arising from the Chemical

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

Special Protective Equipment and Precautions for Firefighters

Special Information: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA / NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Spill and Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED: Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Neutralize spill with soda ash. Neutralize spill with lime. Flush spill area with water spray. Collect spilled materials for disposal. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Take up spill with clean, dry shovel and place in chemical waste container.

Section 7: Handling and Storage

Handling Procedures

Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Avoid contact with eyes. Material can generate explosive hydrogen gas when comes in contact with metals. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

Storage Requirements

Store containers in a cool, dry, well ventilated place. Keep container closed when not in use.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Hydroxyacetic acid 79-14-1			
Trade Secret N/A			
Boric acid (H3BO3) 10043-35-3		6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic) 2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	

ENGINEERING CONTROLS: Provide ventilation sufficient to maintain exposure below the recommended limits.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SKIN PROTECTION: Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties

Appearance: Thick Off-White Liquid	**Odor:** Typical
Vapor Pressure: Not Available	**Odor threshold:** Not Available
Vapor Density: Not Available	**pH:** 2.2 - 2.8
Density: 1.204 g/cm³	**Melting point:** Not Available
Freezing point: Not Available	**Solubility:** Not Available
Boiling range: 203 - 572° F	**Flash point:** > 200° F
Evaporation rate: Not Available	**Flammability:** Not Available
Explosive Limits: Not Available	**Specific Gravity:** 1.160 - 1.200
Autoignition temperature: Not Available	**Decomposition temperature:** Not Available
Viscosity: 4100 - 5100 cps	**Grams VOC less water:** Not Available

Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Prevent contact with cyanides and sulfides. Avoid contact with potassium. Avoid contact with moisture and/or water. Prevent contact with strong oxidizing agents. Avoid contact with alkalines. Avoid contact with strong reducing agents. Avoid contact with metals.

Conditions to Avoid

Avoid excess heat and sources of ignition. Do not store near reactive materials.

Hazardous Decomposition Products

Material does not decompose at ambient temperatures. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. Decomposition releases nitrogen oxides.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Inhalation Toxicity LC50: 284mg/L

Routes of Entry:

Inhalation
Ingestion
Skin contact
Eye contact

Target Organs

Effects of Overexposure

EFFECTS OF OVEREXPOSURE - INHALATION: Breathing in the material may irritate the mucous membranes of the nose, throatbronchi and lungs. Vapors can cause irritation to the respiratory tract. Dust may irritate nose and throat. No significant health hazard identified.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Appears to be readily absorbed through the skin but no system toxicity is expected from acute dermal exposure. Causes skin burns. Can cause reddening, itching and swelling. Personnel with pre-existing skin disorders should avoid contact with this product.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye burns. May cause eye irritation. Symptoms may include stinging, tearing, redness and swelling.

EFFECTS OF OVEREXPOSURE - INGESTION: Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. Incidentally swallowing small amounts as a result of normal handling operations is not likely to cause injury; however, swallowing larger amounts may cause injury. May cause nausea, diarrhea, and/or vomiting.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

CAS Number	Description	% Weight	Carcinogen Rating

Section 12: Ecological Information

Component Ecotoxicity

Hydroxyacetic acid	96 Hr LC50 Brachydanio rerio: >5000 mg/L [static]
Boric acid (H3BO3)	48 Hr EC50 Daphnia magna: 115 - 153 mg/L

Section 13: Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14: Transportation Information

This product is non-regulated for land transport.

Section 15: Regulatory Information

TSCA 8(b) Inventory

10043-35-3 Boric acid (H3BO3)
Trade Secret
79-14-1 Hydroxyacetic acid

Country	Regulation	All Components Listed
- None		

Section 16: Other Information

Disclaimer

The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.