

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Piranha Neutralizer No. 5710

Recommended Use of Product: Neutralization of Caustic Residue

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585

P: 800-342-3755 F: 978-475-6205

SECTION 2: HAZARDS IDENTIFICATION

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Signal Word: **WARNING!**



GHS Label Statements

Hazard Statements:

Causes serious eye irritation.

May form combustible dust concentrations in air.

GHS Classifications

Health:

Eye Irritation Category 2A

Physical:

Combustible Dust

PRECAUTIONARY STATEMENTS

Prevention: Wash thoroughly after handling. Wear eye protection and face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage: Store in a well-ventilated place.

Disposal: Dispose of contents and container in accordance with local and national regulations.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>Weight, %*</u> |
|----------------------|----------------|-------------------|
| Citric Acid | 77-92-9 | 90-100 |

*The specific identity and/or exact concentration percentage (weight) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Inhalation

Remove to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

Skin Contact

Wash skin with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops or persists.

Eye Contact

Immediately flush eyes with water for at least 15 minutes while lifting the upper and lower lids. Get medical attention if irritation persists.

Ingestion

If conscious, give 1 glass of water to dilute. DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed

Causes eye irritation. May cause mechanical skin irritation. Inhalation of dust may cause mucous membranes and upper respiratory tract irritation. Swallowing large amounts may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of immediate medical attention and special treatment, if necessary

None needed under normal conditions of use. If large amounts are swallowed, get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media: Use any media that is suitable for the surrounding fire

Specific Hazards Arising from the Chemical: Avoid generating dust. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing and equipment to prevent eye and skin contact. Avoid dust formation.

Environmental Precautions: Avoid release to the environment. Report spill as required by local and federal regulations.

Methods for Containment and Cleaning Up: Ventilate area. Use methods to collect spill that does not allow accumulation of dust such as wet wiping or vacuuming. Place into a container for use or disposal. Avoid dispersal of dust in the air. Do not clean surfaces with compressed air.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid eye and skin contact. Avoid breathing dusts. Use with adequate ventilation. Remove and launder contaminated clothing before re-use. Wash thoroughly after handling. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Keep container tightly closed. Store in a cool, well ventilated area away from alkaline materials and other incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| | |
|---|--|
| Citric Acid | 5 mg/m ³ TWA OSHA PEL (respirable fraction) |
| (as particles not otherwise classified) | 15 mg/m ³ TWA OSHA PEL (total dust) |

Appropriate Engineering Controls: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions.

Personal Protective Equipment

Eye/Face Protection: Chemical safety goggles should be worn if contact is possible.

Skin and Body Protection: Rubber or other impervious gloves are recommended to prevent skin contact.

Respiratory Protection: None needed under normal conditions of use. If exposure limits are exceeded, a NIOSH approved dust/mist or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Other: For operations where contact can occur, an eye wash facility should be available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Granular powder
Color: White
Odor: No odor

| <u>Property</u> | <u>Values</u> | <u>Remarks/Method</u> |
|--|--|-----------------------|
| pH | Not available | None known |
| Melting/freezing point | 212°F | None known |
| Boiling point/boiling range | Not applicable | None known |
| Flash Point | Not applicable | None known |
| Evaporation rate | Not applicable | None known |
| Flammability (solid, gas) | Dust may be explosive in high concentrations | None known |
| Flammability Limit in Air | | |
| Upper flammability limit | Not applicable | None known |
| Lower flammability limit | Not applicable | None known |
| Vapor pressure | Not applicable | None known |
| Vapor density | Not applicable | None known |
| Relative density | 1.542 | None known |
| Specific Water Solubility | Completely soluble in water | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Auto-ignition temperature | Not applicable | None known |
| Decomposition temperature | No data available | None known |

Other Information

| | |
|----------------------------|-------------------|
| Softening Point | No data available |
| VOC Content (%) | 0 g/L |
| Particle size | No data available |
| Particle size distribution | No data available |

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Conditions to Avoid

None known

Chemical Stability

Stable

Incompatible Materials

Strong oxidizing agents.

Possibility of Hazardous Reactions

Contact with copper, zinc and aluminum may release flammable hydrogen gas.

Hazardous Decomposition Products

Thermal decomposition may yield carbon dioxide and carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects of Exposure

Inhalation: Inhalation of dust may cause mucous membrane and upper tract respiratory irritation with coughing, sneezing and shortness of breath.

Eye Contact: May cause irritation with redness, tearing and burning.

Skin Contact: Prolonged skin contact may cause irritation.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects: Prolonged or repeated contact may cause erosion of tooth enamel.

Sensitization: Citric acid is not sensitizing to animals or humans.

Germ Cell Mutagenicity: Citric acid has not shown to cause germ cell mutagenicity.

Reproductive Toxicity: Citric acid has not been shown to cause reproductive or developmental toxicity.

Carcinogenicity: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values: Citric Acid: Oral rat LD50 5.4 g/kg; Dermal rabbit LD50 > 2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Values: Citric Acid: 48 hr LC50 *Leuciscus idus melanotus* 440 mg/L; 24 hr LC50 *daphnia magna* 1535 mg/L

Persistence and Degradability: Citric acid is readily biodegradable.

Bioaccumulative Potential: Citric acid has a calculated bioconcentration factor of 3.2.

Mobility in Soil: Citric acid is expected to be highly mobile in soil.

Other Adverse Effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

DOT

| | |
|----------------------|---------------|
| UN Number | N/A |
| Proper Shipping Name | Not Regulated |
| Hazard Class | N/A |

| | |
|----------------------|------|
| Packing Group | N/A |
| Environmental Hazard | None |

TDG

| | |
|----------------------|---------------|
| UN Number | N/A |
| Proper Shipping Name | Not Regulated |
| Hazard Class | N/A |
| Packing Group | N/A |
| Environmental Hazard | None |

Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special Precautions: None known

SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

California Proposition 65: This product the following chemicals known to the State of California to cause cancer or reproductive toxicity: None

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

Canada

Canadian CEPA: All the components of this product are listed on the Canadian DSL.

Canadian WHMIS Classification: Class D - Division 2B (Toxic material causing other chronic effects) This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

SECTION 16: OTHER INFORMATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead