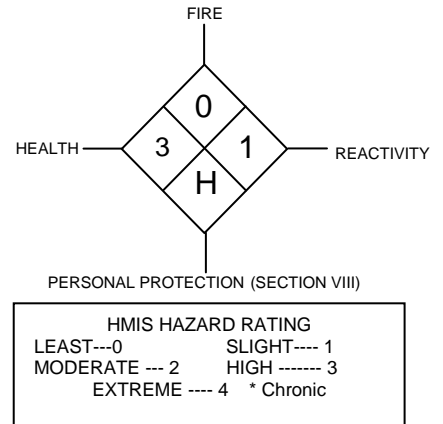


MATERIAL SAFETY DATA SHEET
Part No.: AS-AVO
PRODUCT NAME: ACID STAIN - AVOCADO
SECTION 1 - MANUFACTURER IDENTIFICATION

DISTRIBUTED BY: Rhino Linings Corporation
ADDRESS: 9151 Rehco Road, San Diego, CA, 92121
INFORMATION PHONE: 858-450-0441
EMERGENCY CONTACT: (CHEMTREC): 800-424-9300
DATE: SEPTEMBER 6, 2011
SUPERCEDES:
CHEMICAL NAME AND/OR FAMILY: Inorganic Salt Solutions


SECTION 2 - COMPOSITION & INGREDIENTS

<u>Weight %</u>	<u>Ingredients</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
<2	Muratic Acid	7647-01-0	TWA 5 ppm	TWA 5 ppm
<30	Cupric Chloride	7447-39-4	PEL 1 mg/m ³	
<3	Ferrous Chloride	7758-94-3	PEL 1 mg/m ³	TLV 1 mg/m ³

SECTION 3 - Hazards Identification
Health Hazards:

- Acute, Corrosive to skin, eyes, and mucous membranes.
- Chronic, Kidney and liver Damage possible.
- Acute, Ingestion of liquid is corrosive to mouth, throat, stomach, esophagus, and decomposes releasing carbon dioxide upon contact with stomach acid. Swallowing the liquid burns the tissues, causing abdominal pain, nausea, vomiting, diarrhea and collapse. Swallowing large quantities can cause death.
- Eye contact causes painful stinging or burning of eyes and lids, watering of eyes, conjunctivitis, opaqueness of cornea, possibly leading to loss of sight.

Primary routes of Entry:

- Inhalation.....Corrosive
- Skin.....Corrosive
- Ingestion.....Corrosive

Over Exposure Effects:

INHALATION: Exposure to vapor, mist or liquid can produce severe irritation or burns of the respiratory tract. Severe exposures could result in chemical pneumonia.

EYES: Contact with eyes can cause severe damage, including burns and blindness. The severity of the effects depends on the concentration and how soon after exposure the eyes are washed.

SKIN: Corrosive. Prolonged or repeated contact, even to dilute concentrations, can cause a high degree of tissue damage. Irritation or burns of the skin may be delayed from initial contact. The severity of the tissue damage, depend on the exposure time.

INGESTION: Corrosive. Causes severe burns and complete tissue perforation of mucous membranes of the mouth, throat and stomach.

Carcinogenicity:

- NTP.....No
- IARC.....Yes
- OSHA.....No

MATERIAL SAFETY DATA SHEET**Part No.: AS-AVO****PRODUCT NAME: ACID STAIN - AVOCADO****Hazard Materials Identification System Rating:**

Health.....3
Flammability.....0
Reactivity.....1
Personal Protection...H

SECTION 4 – FIRST AID MEASURES**First Aid Procedures:**

Eye Contact – Flush immediately with plenty of water for at least 15 minutes and get medical attention.

Skin Contact – Wash thoroughly with large amounts of soap and water.

Inhalation – Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give Oxygen if breathing is labored. Get emergency medical help. Contact physician immediately.

Ingestion – Seek emergency medical instructions before inducing vomiting.

SECTION 5 – FIRE FIGHTING MEASURES**Flash Point:**

Water solution, will not burn

Flammable Limits:

LowerND
UpperND

Extinguishing Media:

This material, in its original form, is not a fire hazard. Use media appropriate to extinguish surrounding fire.

Unusual Fire and Explosion Hazards:

Contact with metals produces hydrogen gas flammable and potentially explosive hydrogen gas can be generated inside metal drums or storage tanks.

SECTION 6 – SPILLAGE, ACCIDENTAL RELEASE MEASURES**Spill or Leak:**

In case of spillage, absorb with inert material and dispose of in accordance with applicable federal, state, and local regulations.

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Dike spillage.

For small amounts: Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information). Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide. For large amounts: If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.

For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes.

SECTION 7 – HANDLING AND STORAGE**Precautionary Handling:**

-Use with adequate ventilation

-Avoid breathing vapors

-Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take emergency first aid action shown in this Material Safety Data Sheet.

-Launder contaminated clothing before reuse.

MATERIAL SAFETY DATA SHEET**Part No.: AS-AVO****PRODUCT NAME: ACID STAIN - AVOCADO**

-Liquid penetrates leather shoes causing delayed burns.

Storage:Store away from oxidizers or materials bearing a yellow "DOT" label.
Store away from caustic or alkaline materials.**SECTION 8 – EXPOSURE CONTROLS AND PROTECTION INFORMATION****Ventilation:**Mechanical.....Desired in closed places
Local.....Recommended**Respiratory Protection:** NIOSH approved organic vapor mask
Eye Protection: Use goggles and/or face shield if splashing is likely
Protective Gloves: Wear impervious gloves
HMIS Personal Protective Code: H: Splash Goggles, Glove, Apron, Vapor Respirator
Threshold Limit Value: 1 mg/m³ ppm based on Cupric Chloride in blend**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES****Appearance and Odor:** Green Liquid, Pungent Odor
Boiling Point: ND
Freezing Point: ND
Vapor Pressure (mmHg): ND
Vapor Density (Air=1): ND
PH Value: <2
Solubility in Water: Soluble
Specific Gravity (Water=1): 1.4 – 1.6**SECTION 10 –STABILITY AND REACTIVITY****Chemical Stability:** Stable
Conditions to Avoid: Avoid contact with Oxidizers or Oxidizing Materials
Incompatible Materials: Oxidizers or Oxidizing Materials. Alkaline Materials.
Decomposition Products: Toxic and Irritating Gases, Hydrogen Gas, Chlorine Gas
Hazardous Polymerization: Will Not Occur
Polymerization Avoid: None**SECTION 11 –TOXICOLOGICAL INFORMATION**

NA

SECTION 12 –ECOLOGICAL INFORMATION

NA

SECTION 13 –DISPOSAL CONSIDERATIONS**Waste Disposal Method:**

Hazardous Waste. Follow Federal, State and Local Regulations for Hazardous Waste Disposal.

EPA Hazard Waste Codes:

D002 – Characteristic of Corrosivity

SECTION 14 –TRANSPORTATION INFORMATION**Hazard Class:** 8**DOT Proper Shipping Name:**CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Contains Hydrochloric Acid, Ferrous Chloride, and Cupric Chloride), 8, UN 3264, PG II –
(Marine Pollutant – Cupric Chloride)



MATERIAL SAFETY DATA SHEET

Part No.: AS-AVO

PRODUCT NAME: ACID STAIN - AVOCADO

Reportable Quantity: >40lbs. based on Chromic Acid content in blend

SECTION 15 – NATIONAL REGULATIONS AND REFERENCES

Notice

The following information is presented in good faith and is believed to be accurate, as of the revised date shown above. No warranty is therefore, expressed or implied. Regulatory information requirements are subject to change as governmental regulations change.

TSCA: Toxic Substances Control Act:

All chemical substances contained in this product are listed in the TSCA Inventory List. (This, however, does not imply that all products are “toxic”.)

EPA: Environmental Protection Agency:

SARA: Superfund Amendments and Reauthorization Act

Title III, Section 313 (toxic Chemicals): Yes – Hydrochloric Acid, Cupric Chloride as ‘Copper Compounds’
Reportable Quantity (RQ): >40lbs. based on Chromic Acid content in blend

Threshold Planning Quantity (TPQ): None

Threshold Planning Quantity (TPQ): None

Title III, Section 311 (Hazard Categories):

Acute: Yes
Chronic: Yes
Ignitable: No
Reactive: Yes
Sudden Release of Pressure: No

CERCLA:

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980:

Reportable Quantity (RQ).....>40 lbs. based on Chromic Acid content in blend

Clean Air Act

Sections.....Section 112 (1990 Amendments)

Clean Water Act:

Sections.....NA

SECTION 16 – DISCLAIMER

Product Packaging: Various
Footnotes: ND – No Data Available
NA – Not Applicable
< = Less Than
> = Greater Than

This product’s safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user’s obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. All materials in this product are produced in compliance with Public Law 94-469 (also known as the “Toxic Substances Control Act” of 1976).