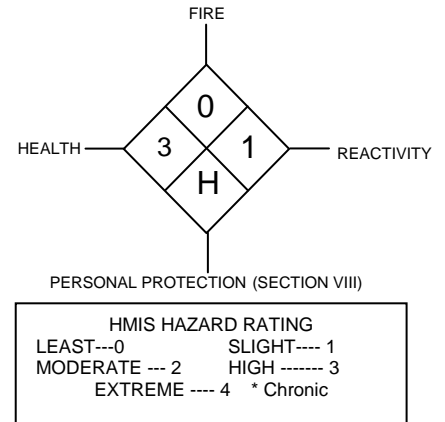


**PRODUCT NAME: ACID STAIN - ENGLISH LEATHER**
**SECTION 1 - MANUFACTURER IDENTIFICATION**
**DISTRIBUTED BY:** Rhino Linings Corporation

**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	Hydrochloride Acid	7647-01-0	TWA 5ppm	TWA 5ppm
<10	Chromic Acid, Disodium Salt	10588-01-9	PEL 1 mg/m <sup>3</sup>	TLV 0.05 mg/m <sup>3</sup>
<5	Manganese Chloride Tetrahydrate	13446-34-9	STEL 3 mg/m <sup>3</sup>	TLV 0.2 mg/m <sup>3</sup>
<10	Ferric Chloride	7705-08-0	NO DATA AVAILABLE	
<5	Ferrous Chloride	7758-94-3	PEL 1 mg/m <sup>3</sup>	TLV 1 mg/m <sup>3</sup>

**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.....Yes

IARC.....Yes

OSHA.....No

**MATERIAL SAFETY DATA SHEET****Part No.: AS-EL****PRODUCT NAME: ACID STAIN - ENGLISH LEATHER****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:**

Lower .....ND  
Upper .....ND

**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.

**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.
- 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

**MATERIAL SAFETY DATA SHEET****Part No.: AS-EL****PRODUCT NAME: ACID STAIN - ENGLISH LEATHER**Threshold Limit Value: 0.2 mg/m<sup>3</sup> ppm based on Manganese Chloride Tetrahydrate in blend**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and Odor:** Brown 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):** 1.2 – 1.5

**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 and Manganese Chloride Tetrahydrate, and Ferric Chloride), 8, UN 3264, PG II

**Reportable Quantity:** >125 lbs. 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:**



**MATERIAL SAFETY DATA SHEET**

**Part No.: AS-EL**

**PRODUCT NAME: ACID STAIN - ENGLISH LEATHER**

SARA: Superfund Amendments and Reauthorization Act

Title III, Section 313 (toxic Chemicals): Yes – Hydrochloric Acid, Chromic Acid, Manganese Compounds  
Reportable Quantity (RQ): >125 lbs. based on Chromic Acid content in blend

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).....>125 lbs. based on Chromic Chloride content in blend

Clean Air Act

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

Clean Water Act:

Sections.....Section 311

**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).