

# Material Safety Data Sheet

## EaCo CHEM Inc.

### SECTION: 1

### SUPPLIER INFORMATION

Product Name: SAFERESTORE  
Product Use: Restoration Detergent  
Name of Manufacturer: EaCo CHEM Inc.  
Address: 765 Commerce Avenue  
New Castle, PA 16101  
Emergency Telephone: 1-800-255-3924  
Date Prepared: 2-1-98 REVISED: 11/30/2007  
D.O.T. Classification: Compounds, cleaning liquid Not regulated by the D.O.T.

### SECTION: 2

### HAZARDOUS INGREDIENTS

CHEMICAL NAME	OSHA/PEL	ACGIH/TLV	CAS. NO.
Hydrochloric Acid	5 ppm	5 ppm	7647-01-0
Proprietary Ingredients	N.A.	N.A.	

Specific proprietary Ingredients chemical identity with held as trade secret pursuant to OSHA regulations.

### SECTION: 3

### HAZARDS IDENTIFICATION

Route(s) of entry: Skin, Eyes, Ingestion, Inhalation

Chemical listed as carcinogen or potential carcinogen,  
National Toxicology Program, I.A.R.C. MONOGRAPHS, OSHA: NO

Signs and symptoms of exposure: Will be an eye irritant if in direct contact. May cause skin irritation upon prolonged or repeated contact.

Medical conditions generally aggravated by exposure: Respiratory, dermatitis or skin irritations. Mucou membrane infections.

### SECTION: 4

### EMERGENCY FIRST AID

EYES: Remove contact lenses at once. Flood with water for 15 minutes and call physician.

SKIN: Wash off with soap and water immediately. If irritation develops seek medical attention.

INGESTION: Drink copious amounts of water. Seek medical attention.

INHALATION: Remove to fresh air. Seek medical attention if irritation develops.

### SECTION: 5

### FIRE FIGHTING MEASURES

Flash Point and Method: None, not expected to burn or support combustion.

Hazardous Combustion Products: May produce hydrochloric gas at elevated temperature and pressure.

Means of Extinction: Water, dry chemical, foam, carbon dioxide.

Other: If material comes in contact with certain metals over time, it may cause corrosion or etch to occur.

### SECTION: 6

### PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken if material is released or spilled: Large spill; dike and contain for intended use.  
Small spill; Absorb on oil dry and place in approved container for disposal. Make sure proper ventilation and safety equipment is available.

Clean up procedures: Neutralize area to complete cleanup with a small amount of weak alkaline solution.

Waste Disposal Method: Consult federal, state and local regulations in your area.

Precautions to be taken in handling and storage: Store in a cool dry place, away from alkalis. Always wear proper protective equipment when handling this product.

### SECTION: 7

Respiratory Protection:

Ventilation:

Protective Gloves:

Protective Goggles:

Work/Hygiene Practices:

### CONTROL MEASURES

None needed if exposure limits are not exceeded.

Local exhaust to maintain the TLV.

Yes

Yes

Gloves & goggles. Wash clothing before reuse. Keep off skin and clothing.

### SECTION: 8

Appearance/Odor:

Physical State:

VOC:

Vapor Pressure (mmHg):

Vapor Density (air = 1):

Specific Gravity (WATER =1):

Evaporation Rate:

Solubility in water:

Boiling Point:

### PHYSICAL AND CHEMICAL PROPERTIES

Yellow to amber liquid, mild odor.

Liquid

N/A

N/A

N/A

1.117

Slower than ether

Complete

212°F @ 760 mm Hg

### SECTION: 9

### STABILITY AND REACTIVITY

Stability:

Incompatibility: (materials to avoid):

Hazardous decomposition:

Hazardous polymerization:

Stable under normal temperatures and pressures.

Alkalis, high heat, protect foilage

May produce hydrochloric gas with high heat.

Will not occur.

### SECTION: 10

### HAZARD RATING

HEALTH

FIRE

REACTIVITY

PERSONAL PROTECTION

1

0

1

B\*

4 = EXTREME

3 = HIGH

2 = MODERATE

1 = SLIGHT

0 = INSIGNIFICANT

B\* = Chemical resistant gloves and goggles.

### SECTION: 11

### OTHER REGULATORY INFORMATION

D.O.T. Proper Shipping Name:

D.O.T. Skin Corrosion:

D.O.T. Acute Dermal Toxicity:

Compound, Cleaning Liquid, No Special Hazards

No sign of dermal corrosion was noted at any of the test sites. Based on these results, SafeRestore is considered non-corrosive on the skin when applied as received.

The single dose acute dermal LD 50 of SafeRestore is > than 1000 mg/kg of bodyweights. A liquid with an acute dermal LD 50 > than 1000 mg/kg is not classified as a "poisonous material" under D.O.T. 173.132 Class 6, Division 6.1. Based on the results of this study, SafeRestore would not fall within the poisonous category under D.O.T. regulatory guidelines.

NOTICE: This product has been classified in accordance with the hazard criteria of the CFR and the MSDS contains all the information required by the CFR.

DISCLAIMER: The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot be sure or guarantee these are the only hazards which exist.