

# Material Safety Data Sheet EaCo CHEM Inc.

## SECTION: 1

PRODUCT NAME: SAFERESTORE  
PRODUCT USE: Restoration Detergent  
NAME OF MANUFACTURER: EaCo CHEM Inc.  
ADDRESS: Box 52  
Forestville PA. 16035  
EMERGENCY TELEPHONE: 1-800-255-3924  
DATE PREPARED: 2-1-98 REVISED: 11-21-06  
DOTCLASSIFICATION: Not regulated by the DOT.

## SECTION: 2

### HAZARDOUS INGREDIENTS

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

## SECTION: 3

### HAZARDS IDENTIFICATION

Route(s) of entry: Skin, Eyes, Ingestion  
Chemical listed as carcinogen or potential carcinogen, National Toxicology Program, I.A.R.C.  
MONOGRAPHS, OSHA: NO  
Signs and symptoms of exposure: Burning to skin and eyes.  
Medical conditions generally aggravated by exposure: Respiratory, dermatitis or skin irritations.  
Mucous membrane infections.

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### 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.

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### 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.

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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.

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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

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Stability:  
Incompatibility: (materials to avoid):  
Hazardous decomposition:  
Hazardous polymerization:

## STABILITY AND REACTIVITY

Stable under normal temperatures and pressures.  
Alkalis, high heat, protect foilage  
May produce hydrochloric gas with high heat.  
Will not occur.

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## OTHER REGULATORY INFORMATION

D.O.T. PROPER SHIPPING NAME: Compound, Cleaning Liquid, No Special Hazards  
D.O.T. SKIN CORROSION: 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.  
D.O.T. ACUTE DERMAL TOXICITY: 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.

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## HAZARD RATING

HEALTH	1	4 = EXTREME
FIRE	0	3 = HIGH
REACTIVITY	1	2 = MODERATE
PERSONAL PROTECTION	B*	1 = SLIGHT
		0 = INSIGNIFICANT

B\* = Chemical resistant gloves and goggles.

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.