

Material Safety Data Sheet EaCo CHEM Inc.

SECTION: 1

Product Name:
Product Use:
Name of Manufacturer:
Address:

Emergency telephone:
Date Prepared:
DOT Classification:
DOT Shipping info:

SUPPLIER INFORMATION

EF-fortless
Efflorescence remover
EaCo CHEM INC.
Box 52
Forestville, PA 16035
1-800-255-3924
2-1-98 Revised: 7-01-2002
Corrosive liquid
Compounds, cleaning liquid, 8, NA 1760, PG III

SECTION: 2

CHEMICAL NAME
Hydrochloric Acid

HAZARDOUS INGREDIENTS

OSHA/PEL	ACGIH/TLV	CAS. NO.
5 ppm	5 ppm	7647- 01-0

Ingredients not precisely identified are propriety or non hazardous under Federal Hazard Communication Standard (29 CFR 1910.1200)

Note: N/E = Not established

SECTION: 3

Route(s) of entry:
Chemical listed as carcinogen: NO
Or potential arcinogen:
National Toxicology Program:
I.A.R.C. Monographs:
OSHA:

HAZARDS IDENTIFICATION

Eyes, Skin, Ingestion, Inhalation.
NO
NO
NO
NO

Signs and symptoms of exposure:
Medical conditions generally aggravated by exposure:

Burning to skin and eyes.
Respiratory dermatitis or skin irritations. Mucous membrane infections.

SECTION: 4

EYES:

EMERGENCY AND FIRST AID PROCEDURES

Remove contact lenses at once. Flood eyes with water for 15 minutes. Seek immediate medical attention.

SKIN:

Wash off with soap and water immediately. Seek medical attention.

INGESTION:

Drink copious amounts of water. Do not induce vomiting. Seek immediate medical attention.

INHALATION:

Remove to fresh air. Seek medical attention if irritation persists. Call physician.

SECTION: 5

Flash Point and Method:
Hazardous decomposition products:
Means of extinction:
Special procedures:

FIRE FIGHTING MEASURES

None, product not expected to burn or support combustion
May produce hydrochloric gas.
Use method suitable for surrounding media
If material comes in contact with certain metals it may cause corrosion or etch to occur.

SECTION: 6

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 federal regulations in your area.

Precautions to be taken in handling and storage: Store in a cool dry place, away from alkalis. Vent bung before opening. Always wear proper protective equipment when handling this products. Avoid wearing contact lenses when using this product.

PRECAUTIONS FOR SAFE HANDLING AND USE

SECTION :7

Respiratory Protection:
Ventilation:
Protective Gloves:
Goggles:
Work/Hygiene practices:

CONTROL MEASURES

None needed if exposure limits are not exceeded.
Local exhaust to maintain TLV.
Yes
Yes
Rubber suit, gloves and goggles. Wash clothing before reuse.
Keep off skin and clothing. Vapor respirator if necessary.

SECTION: 8

Appearance/Odor:
Physical State:
pH:
Vapor Pressure (mmHg):
Vapor Density (air = 1):
Specific Gravity (Water = 1):
Evaporation Rate:
Solubility in water:

PHYSICAL AND CHEMICAL PROPERTIES

Yellow to amber liquid, mild biting odor.
Liquid
2.0
N/A
N/A
1.08
N/A
Complete

SECTION :9

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

STABILITY AND REACTIVITY

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

SECTION : 10

HEALTH
FIRE
REACTIVITY
PERSONAL PROTECTION

HAZARD RATING

2	4 = EXTREME
0	3 = HIGH
1	2 = MODERATE
C*	1 = SLIGHT
	0 = INSIGNIFICANT

C* = Chemical resistant gloves, goggles, and apron.

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.