

MFG'S INFORMATION  
Finger Lakes Chemical, Inc.  
420 St. Paul Street  
Rochester, NY 14605  
1-800-876-0222  
EMERGENCY (585) 275-3232

MATERIAL SAFETY DATA SHEET

0-least, 1-slight, 2-moderate, 3-high  
4-extreme, A-goggles, B-goggles &  
gloves, C-goggles & gloves &  
protective wear

HAZARD RATING  
Health 4  
Fire 1  
Reactivity 0  
Personal B

STOCK NUMBER  
CHEMICAL FAMILY  
pH - <1.0  
TRADE NAME & SYNONYMS  
Echo Acid Wire Wheel Cleaner  
FORMULA

SECTION II HAZARDOUS INGREDIENTS

	CAS NO.	PEL	TLV	STEL	(%)
Hydrochloric Acid	7647-01-0			2.3	<10.0
Hydrofluoric Acid	7664-39-3			7.5	<10.0

SECTION III PHYSICAL DATA

BOILING POINT: 212°F  
VAPOR PRESSURE:  
VAPOR DENSITY (air=1)  
SOLUBILITY IN WATER: complete  
SPECIFIC GRAVITY (H<sub>2</sub>O=1) 1.043  
PERCENT VOLATILE BY VOL %  
EVAPORATION RATE (Butyl Acetate=1)  
APPEARANCE & ODOR pink/acidic odor

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT(method used) none  
FLAMMABLE LIMITS LEL UEL

EXTINGUISHING MEDIA: none required

SPECIAL FIRE FIGHTING PROCEDURES: Use caution when fighting any fire. Adequate respiratory protection is essential.

UNUSUAL FIRE & EXPLOSION HAZARDS: None known

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

EFFECT OF OVEREXPOSURE: May cause severe burns to skin or eyes upon contact with concentrate or solutions. Avoid breathing mists, severe internal irritation may result from breathing vapors of ingestion. May cause burns upon contact which are not immediately painful or apparent. Concentrations below 50% may not produce symptoms for 8 hours or longer.

EMERGENCY & FIRST AID PROCEDURES: Inhalation: remove to fresh air to once. Ingestion: give large quantities of water; do not induce vomiting. Skin: promptly flush area with water. Eyes: wash immediately with large amounts of water. Seek medical attention in all cases.

SECTION VI REACTIVITY DATA

STABILITY: STABLE XXXXXXXX UNSTABLE  
INCOMPATIBILITY(mat'l to avoid): Strong alkalies, some metals, oxidizer, carbides  
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrofluoric acid, hydrogen gas evolves upon contact with some metals.  
HAZARDOUS POLYMERIZATION: MAY OCCUR WON'T OCCUR XXXXXXXXXX

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spill: neutralize with suitable alkali, such as soda ash, absorb with suitable absorbent such as sand or vermiculite. Large spill: stop leak at source and contain leak with dike sand. Pump contained material to approved container for disposal.

WASTE DISPOSAL METHOD: Dispose according to federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:  
VENTILATION: LOCAL XXXXXXXX MECHANICAL OTHER  
PROTECTIVE GLOVES: Rubber or vinyl  
EYE PROTECTION: Dust and splash proof goggles.  
OTHER PROTECTIVE EQUIPMENT: Vinyl apron, Rubber boots

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Handle with care. Keep container closed. Store away from oxidizers. Wash thoroughly after handling. Store concentrate on acid proof floors with drain to a recovery tank.

PRODUCT #: DE6225

DATE PREPARED: 09/17/91

DATE REVISED: 12/07/02