

MATERIAL SAFETY DATA SHEET

FIVE STAR AFFILIATES, INC.
6731 E. 50TH AVENUE
COMMERCE CITY, CO. 80022

PHONE: 303-287-0186
MSDS DATE:12-23-10
REPLACES: 10-20-99

IDENTIFICATION

PRODUCT NAME: LIME AWAY
COMPOSITION: Corrosive Liquid, (contains Buffered Hydrochloric Acid)

This product requires submission of an annual report of the release of toxic chemicals that appears in 40 CFR 372 (of SARA 313). Components present in this product at a level which could require reporting under the statute are:

HAZARDOUS INGREDIENTS:	%	TLV LIMIT AIR
Hydrochloric Acid (CAS No 7647-01-0)	50 %	5 ppm 7.5 mg/m3

PHYSICAL DATA

APPEARANCE: Clear to slightly yellow	SOLUBILITY IN WATER: Complete
EVAPORATION RATE: (Butyl Acetate=1) 1	ODOR: Slightly pungent
VAPOR DENSITY:(Air =1) 3 max	pH CONCENTRATE: Less than 1
BOILING POINT: 212°	

FIRE AND EXPLOSION DATA

FLAMMABILITY:	Not flammable
EXTINGUISHING MEDIA:	Water, carbon dioxide, foam
UNUSUAL FIRE & EXPLOSION HAZARDS:	Hydrochloric acid reacts with steel and many common metals to produce hydrogen gas which is flammable and a fire explosion hazard.
NFPA HAZARD RATING:	Health 1; Flammability 0; Reactivity 0

HEALTH HAZARD DATA

EYE EFFECT: Overexposure can cause irritation and burning.
SKIN EFFECT: Overexposure can cause irritation and burning.
INGESTION: May be fatal if large amounts are ingested. May cause severe burns to mouth, throat and gastrointestinal tract.
INHALATION: Overexposure will irritate or burn respiratory tract.

EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with water for 15 minutes. Seek medical attention if irritation continues.

SKIN CONTACT: Wash skin with mild soap and water.

INGESTION: Do NOT induce vomiting. If ingested, drink large amounts of milk; follow with milk of magnesia, beaten eggs or vegetable oil. Seek medical attention.

INHALATION: Remove to fresh air and administer oxygen if breathing is difficult.

SPECIAL PROTECTION INFORMATION

PROTECTIVE GLOVES: Recommended (Neoprene or VBR)

EYE PROTECTION: Recommended (goggles, safety glasses)

LOCAL EXHAUST: As necessary to eliminate vapors. Mechanical exhaust is not normally required unless used in confined area and/or individual has sensitive respiratory system.

RESPIRATORY: A special acid canister gas mask up to 2%. For higher concentration use air-line mask or self-contained breathing apparatus.

OTHER EQUIPMENT: Face shield, rubber apron, boots, and rubber clothing as necessary.

REACTIVITY DATA

INCOMPATIBLE MATERIALS: Most metals, alkalis, strong oxidants, acetic anhydrides, oleum, amines and vinyl acetate.

STABILITY: Product is stable

POLYMERIZATION: Will not occur

DECOMPOSITION PRODUCTS: HCl gas evolved from heating; hydrogen gas evolved by reaction to metals.

SPILL OR LEAK PROCEDURES

SPILL: Remove spills immediately by flushing away with lots of water. Carefully neutralize with alkalis such as soda ash or lime. Use ample ventilation when neutralizing with soda ash or limestone as carbon dioxide gas is given off.

DISPOSAL: Neutralize with alkali and flush to sewer if permitted by disposal regulations. Disposal by a disposal contractor may otherwise be needed.

HANDLING AND STORING: Store in dry, well-ventilated area away from heat and out of the sun. Do not store near highly flammable or oxidizing substances (oil, nitric acid, etc.) Avoid contact with metals. Product must not contact hydrogen sulfide gas.

EMERGENCY TELEPHONE: INFOTRAC 1-800-535-5053