

GALENA REMOVER MSDS

Label Content Code = C1097

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: AngelGilding.com
619 Clarence Ave.
Oak Park IL 60604 USA
24-hour Emergency Phone: 708-383-3340
Product Name: Galena Remover – C1097

Section 2: INGREDIENT INFORMATION

Synonyms	C.A.S.	Formula:	Formula Weight:	Percent
IRON(III) chloride hexahydrate		FeCl ₃ 6H ₂ O	270.3	27

Section 3: HAZARD IDENTIFICATION

Emergency Overview:

DANGER! CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT.
HARMFUL IF SWALLOWED OR INHALED. AFFECTS THE LIVER.

SAF-T-DATA Ratings

Health Rating: 3 - Severe (Life)
Flammability Rating: 0 - None
Reactivity Rating: 2 - Moderate
Contact Rating: 3 - Severe (Corrosive)
Protective Equipment: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: White (Corrosive)

Potential Health Effects:

Inhalation: Extremely destructive to tissues of the mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Ingestion: Corrosive. Swallowing can cause severe burns of the mouth, throat, and stomach. Can cause sore throat, vomiting, diarrhea. Low toxicity in small quantities but larger doses (30 mg/kg) may cause nausea, vomiting and diarrhea. Pink urine discoloration is a strong indicator of iron poisoning. Liver damage, coma and death may follow, sometimes delayed as long as three days.

Skin Contact: Corrosive. Symptoms of redness, pain, and severe burn can occur.
Eye Contact: Corrosive. Contact can cause blurred vision, redness, pain and severe tissue burns.
Chronic Exposure: Repeated ingestion may cause liver damage. Prolonged exposure of the eyes may cause discoloration.

Section 4: FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: Corrosive. Swallowing can cause severe burns of the mouth, throat, and stomach. Can cause sore throat, vomiting, diarrhea. Low toxicity in small quantities but larger doses (30 mg/kg) may cause nausea, vomiting and diarrhea. Pink urine discoloration is a strong indicator of iron poisoning. Liver damage, coma and death may follow, sometimes delayed as long as three days.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 5: FIRE FIGHTING MEASURES

Fire: Not considered to be a fire hazard. Irritating hydrogen chloride fumes may form in fire

Fire Extinguishing Media: Water, dry chemical, foam or carbon dioxide. Do not allow water runoff to enter sewers or waterways.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6: ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Section 7: HANDLING AND STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits: - not available

OSHA PEL: - not available

ACGIH TLV: - 1 mg/m³ (TWA) soluble iron salt as Fe

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Maintain eye wash fountain and quick-drench facilities in work area. Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow solution
Odor:	Pungent
Solubility in water:	Complete
Density (g cm⁻³):	1
pH	4
% Volatiles by volume @	
21C (70F):	Not available
Boiling Point: °C	100
Melting Point (°C):	0
Vapor Density (Air=1):	Not available
Vapor Pressure (mm Hg):	Not available
Evaporation Rate (BuAc=1):	Not available

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	Emits toxic fumes of chloride when heated to decomposition.
Incompatibilities:	Metals, allyl chloride, sodium, potassium. Will react with water to produce toxic and corrosive fumes.
Conditions to Avoid:	Incompatibles.

Section 11: TOXICOLOGICAL INFORMATION:

Oral rat LD50:	316 mg/kg (anhydrous)
Mutagen:	Investigated
Reproductive effector:	Investigated

Section 12: ECOLOGICAL INFORMATION

Environmental Toxicity:	24 Hr LC50 striped bass (fingerling): 6 mg/L (static); 24 Hr LC50 striped bass (larvae): 4 mg/L (static)
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Section 13: DISPOSAL CONSIDERATIONS:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: TRANSPORT INFORMATION:

	Domestic (Land, D.O.T.):
Proper Shipping Name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (FERRIC CHLORIDE)
Hazard Class:	8
UN/NA:	UN3260
Packing Group:	III
Information reported for product/size:	220 lb
	International (Air, I.C.A.O.):
Proper Shipping Name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (FERRIC CHLORIDE)
Hazard Class:	8
UN/NA:	UN3260
Packing Group:	III
Information reported for product/size:	220 lb

Section 13: REGULATORY INFORMATION:

TSCA:	EC:	Japan:	Australia:	Korea:	Canada
Y	Y	Y	Y	Y	Y

Chemical Weapons Convention: N
Known to the State of California to cause cancer (Y/N): N
Australian Hazchem Code: 2R

Section 14: OTHER INFORMATION

Health:	NFPA Ratings:	Reactivity:
2	Flammability: 0	0

Label Hazard Warning: DANGER! CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT. HARMFUL IF SWALLOWED OR INHALED. AFFECTS THE LIVER.

Label Precautions: Do not get in eyes, on skin, or on clothing.
Do not breathe dust.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.

Label First Aid: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. In all cases get medical attention immediately.

Product Use: Commercial mirroring

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