

EFFLORESCENCE REMOVER

Material Safety Data Sheet

24-HOUR CHEMICAL EMERGENCIES
SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC 800-424-9300
(Outside US 703-527-3887)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EFFLORESCENCE REMOVER
PRODUCT USE: Cleaner/Remover
MANUFACTURE/SUPPLIER: OMNI Sealers, Inc.
ADDRESS: 22362 Gilberto Street, Suite 215
Rancho Santa Margarita, CA 92688
PHONE: 949-709-5270

SECTION 2: HAZARDOUS IDENTIFICATION

NFPA 704 CODES: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious and 4=Severe

	Health (blue)	Flammability (red)	Reactivity (yellow)	Clothing
NFPA	1	0	0	B
HMIS	1	0	0	B

EMERGENCY OVERVIEW:

CAUTION – MAY CAUSE EYE IRRITATION – MAY CAUSE SKIN IRRITATION

LIKELY ROUTES OF EXPOSURE:

EYE: May cause eye irritation. Seek medical attention.

SKIN: May cause skin irritation. Seek medical attention.

INHALATION: May cause irritation to upper respiratory tract. Seek medical attention.

INGESTION: May be harmful if swallowed. Do not take internally. Seek medical attention.

SIGNS & SYMPTOMS: Eye discomfort or pain, excessive blinking and tear production with marked redness and swelling. Skin redness, edema, drying or cracking. Stomach distress, nausea or vomiting. Burns to mouth, throat, esophagus and stomach.

CHRONIC EFFECTS: Repeated prolonged contact may dry skin and cause irritation.

OTHER EFFECTS: May aggravate preexisting skin, eye and respiratory conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% By Wgt*
Acid Surfactant Solution	Trade Secret	<30%
Hydrochloric Acid	7647-01-0	<15%
Acetic Acid	64-19-7	<5%
Water	7732-18-5	Balance

* The concentrations shown with this product are maximum levels (Wgt %) to be used for regulatory calculations.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation or adverse symptoms occur, seek medical attention.

SKIN CONTACT: Immediately flush skin with water for at least 15 minutes. Wash with plenty of soap and water including hair and under fingernails. Remove contaminated clothing and wash before re-use. Do not apply any medicating agents except on the advice from a physician. Seek immediate medical attention.

INHALATION: Remove to fresh air. If breathing is difficult, seek medical attention. If not breathing, utilize artificial respiration, preferable by mechanical means. Seek immediate medical attention.

INGESTION: Do not induce vomiting unless directed by a physician. Drink large quantities of water. Seek immediate medical attention.

GENERAL ADVICE: If adverse symptoms persist or in all cases of doubt, seek medical attention. Symptoms may not appear immediately.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABILITY: Not flammable by OSHA/WHMIS criteria. Does not support combustion.

MEANS OF EXTINCTION: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

PRODUCT OF COMBUSTION: May include, but not limited to hydrogen gas which may become flammable.

EXPLOSION DATA: Not considered an explosive hazard.

FIREFIGHTING DATA: Keep upwind of fire. Wear self-contained breathing apparatus and full protective clothing. Heated closed containers may burst due to steam pressure. Cool with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL: Keep out of drains, sewers, ditches and waterways.

CONTAINMENT: Use inert material to dike/absorb. Neutralize the spill area with an alkaline detergent solution.

CLEAN-UP: Transfer material to suitable containers for disposal.

OTHER: Contact CHEMTREC 800-424-9300.

SECTION 7: HANDLING AND STORAGE

HANDLING: No special handling is required under normal use. Appropriate protective clothing necessary to prevent repeated or prolonged skin contact should be worn. Skin contact should be minimized by wearing impermeable gloves. Resistant boots should be worn where spills or splashing can occur. Wash hands and other contaminated areas thoroughly with soap and water after handling this product and before eating or smoking. Wash contaminated clothing thoroughly before re-use.

STORAGE: **Keep out of reach of Children.** Store in original container only and close after each use. Temperature should be between 40° F and 100° F (4°C and 38°C). Shelf-life expected to be at least 1 year.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS:	
OSHA-PEL:	5 ppm
ACGIH-TLV:	2 ppm
ENGINEERING:	Use ventilation adequate to keep exposures below recommended exposure limits.
EYE PROTECTION:	Wear eye/face protection.
HAND PROTECTION:	Wear suitable gloves.
SKIN PROTECTION:	Wear suitable protective clothing.
RESPIRATORY:	If insufficient ventilation, wear respiratory equipment.
GENERAL HYGIENE:	Handle according to established industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear Liquid
COLOR:	Amber
ODOR:	Slight Acrid
PHYSICAL STATE	Liquid
PH (TYPICAL):	2.0
VISCOSITY:	Similar to Water
FREEZING POINT:	<32°F, 0°C
BOILING POINT:	Not Determined
FLASH POINT:	>200°F, 93°C
EVAPORATION RATE:	< Butyl Acetate
VAPOR PRESSURE:	20 mm Hg.
DENSITY:	1.01 g/cc
SPECIFIC GRAVITY (H2O)=1:	1.14
SOLUBILITY IN WATER, BY WEIGHT:	100 %
PERCENT VOLATILE BY WEIGHT:	<1.0%
PERCENT VOLATILE BY VOLUME:	Not Determined
VOC CONTENT BY WEIGHT:	<1.0%

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Avoid temps. <40° F and > 100°F.
INCOMPATIBLE MATERIALS:	May react to bases and oxidizers.
HAZARDOUS DECOMPOSITION	May include, but not limited to carbon oxides and hydrogen gas.
PRODUCTS:	carbon oxides and hydrogen gas.
POSSIBILITY OF HAZARDOUS	No dangerous reactions known
REACTIONS:	under normal conditions.

SECTION 11: TOXICOLOGY INFORMATION

EYE:	Minimize eye contact. Symptoms may include discomfort/pain, excessive blinking and tear production with marked redness and swelling. Seek medical attention.
SKIN:	Minimize skin contact. Symptoms may include redness, edema, drying and cracking. If irritation or adverse symptoms occur, seek medical attention.
INGESTION:	May be harmful if swallowed. Do not take internally. Symptoms may include stomach distress, nausea or vomiting. Seek medical attention.
INHALATION:	May be an upper respiratory irritant. Avoid breathing vapors or mist. Seek medical attention.
HAZARD CATEGORIES:	None of the product's ingredients are found on any lists of hazardous, carcinogenic or banned chemical agents or materials generated by them.

SECTION 12: ECOLOGICAL INFORMATION

The product is biodegradable and non-toxic to sewage organism with dilution.

SECTION 13: DISPOSAL CONSIDERATIONS

The product is biodegradable and non-hazardous. Small quantities may be flushed to a sanitary or industrial sewer. Disposal of large quantities should be in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING NAME (49CFR 172.101):	Non-Regulated Cleaning Liquid
DOT ID# (49CFR 172.101):	Non-Regulated
DOT HAZARD CLASS:	Non-Flammable
MARKING:	Liquid, NOS
LABEL:	None Required
PLACARD:	None Required
HAZARD (29 CFR 1910.1200):	Non-Flammable
INT'L HARMONIC SYSTEM CODE:	n/a
UN NUMBER	Not Applicable

SECTION 15: REGULATORY INFORMATION

FEDERAL:	
OSHA:	This product is non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910-1200).
TSCA:	The ingredients in this product are on the TSCA inventory list and do not have special toxic warning requirements.
SARA TITLE III:	Contains hydrochloric acid CAS#7647-01-0 listed as an Immediate Health Hazard.
Sec 303 EHS:	This product contains a component listed in Extremely Hazardous Substance: Hydrochloric acid, CAS#7647-01-0. EHS RQ 5000#.
HA P:	This product contains a component listed in Hazardous Air Pollutant: Hydrochloric Acid, CAS#7647-01-0.
STATE	
CA PROP. 65:	This product contains no listed substances at levels that would require a warning as a product known to cause cancer, birth defects or other reproductive harm.
MA RIGHT-TO-KNOW:	This product contains no listed substances at levels that require reporting per the Substance List.
NJ RIGHT-TO-KNOW:	This product contains, acid surfactant solution, proprietary and hydrochloric acid, CAS#7647-01-0.
PA RIGHT-TO-KNOW:	The following components are present at >2%: acid surfactant solution, proprietary and hydrochloric acid, CAS#7647-01-0.
NC TAP:	This product contains a component listed in NC Toxic Air Pollutant: Hydrochloric acid, CAS#7647-01-0.

Section 16: Other Information

The information is believed to correct to the best of our knowledge, information, and belief at the date of publication. The information is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information applies only to this specific material as supplied and may not be valid for such material used in combination with any other materials or in any processes.

All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC.