

SAFETY DATA SHEET

E-VAC Evacuation System Cleaner Concentrate PC 107

Use: Evacuation System Cleaner for amalgam separators, diluted 1 part to 32 parts of water. Provides a neutral pH for cleaning the amalgam separator

Publication Date: 1/27/2021 Rev: New

Manufacturer: L&R Manufacturing Company, 577 Elm Street, P.O. Box 607, Kearny NJ 07032-0607 USA

For emergencies involving a spill, leak fire or accident contact CHEMTEL 800-255-3924 within the United States. Or 1-813-248-0585 for International calls.

1. HAZARDS IDENTIFICATION



WARNING! IRRITANT. HARMFUL IF SWALLOWED.

A: WARNING STATEMENT: Good industrial hygiene practices should be used when handling this material.

Acute Eyes: Direct contact causes irritation, redness and possible tearing.

Acute Skin: Prolonged or repeated contact causes redness, and drying of the skin.

Acute Inhalation: Breathing high concentrations of vapors or mists may cause irritation to the nose and throat.

Acute Ingestion: Will cause irritation to the digestive tract and signs of nervous system depression

B: POTENTIAL HEALTH EFFECTS:

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Water	7732-18-5	57-65
Propylene Glycol	57-55-6	25.0-29.0
Isopropyl alcohol	67-63-0	2.0-4.4
Sodium Citrate	6132-04-3	1.0-3.0
Ethoxylated Nonylphenol branched	68412-54-4	0.2-1.0
Benzenesulfonic Acid, Mono C10-16-Alkyl derivate, Sodium Salt	68081-81-2	0.5-1.0
Ethoxylated Doedcyl Mercaptan	9004-83-5	0.5-1.5
3-TRIDECYLOXYPROPANAMINE CHLORIDE, ETHOXYLATED	68610-19-5	0.4-0.8
Mint Fragrance	NA	0.1-0.2
The exact concentration of composition has been withheld as a trade secret.		

4. FIRST AID MEASURES

Eye Exposure: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Exposure: Wash thoroughly with water. If irritation or redness develops, seek medical attention.

Inhalation: If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Ingestion: Seek immediate medical attention. INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate existing skin disease.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA: NOT COMBUSTIBLE

Suitable Extinguishing Media: Extinguish fire in area with dry chemical, CO₂ or a BC/ABC extinguisher.

Special Fire Fighting Procedures: None known

Unusual Fire and Explosion Hazards: Closed containers may explode due to buildup of pressure when exposed to extreme heat.

Hazardous Decomposition Materials: Under fire conditions, oxides of nitrogen, carbon and sulfur

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Mop up spill and dispose of by dilution to a sanitary sewer system as permitted by local, state and federal regulations.

Regulatory Reporting: Not required

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: 39 to 100 ° F. Protect from freezing

HANDLING: AVOID CONTACT WITH SKIN, EYES OR CLOTHING

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General: These recommendations provide general guidance for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedures, do not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations.

Exposure Guidelines: Exposure limits are recommended worker breathing limits. The following limits apply to this material:

INGREDIENTS	LIMITS	INGREDIENTS	LIMITS
Water	None established	Propylene Glycol	AIHA TWA 10mg/m3

Isopropyl Alcohol TWA: 200 ppm ACGIH Ethoxylated Nonylphenol branched
Benzenesulfonic Acid, Mono C10-16-Alkyl derivate , sodium salt 400 ppm OSHA/TWA
3-TRIDECYLOXYPROPANAMINE CHLORIDE ETHOXYLATED
Ethoxylated Doedcyl Mercaptan None established
Sodium Bicarbonate None established
Mint Fragrance None established

Engineering Controls: Normal room ventilation.

Respiratory Controls: For reasonable uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Safety glasses to protect from splashing.

Skin Protection: Rubber or plastic gloves to avoid drying and irritation to the skin.

Work Practice Control: Normal hygiene in the work area should be taken when working with or handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid

Color: Light Blue

Odor: Mint

pH: 6.4 as concentrate, 6.6 as diluted

Specific Gravity: 1.07

Odor Threshold: Not available

Water Solubility: Soluble

Melting Point Range: Not available

Evaporation Rate: Similar to water

Freezing Point Range: < 32 °F

Boiling Point: NA

Partition Coefficient; n-octanol / water: Not available

Vapor Pressure: Not established

Vapor Density: Not established

Decomposition Temperature: Not available

Flash Point: > 105°F

Auto Ignition Temperature: Not available

Flammability limits (vol/vol %): Lower: No Data Upper: No Data

Refractive Index:

V.O.C. for concentrate (calculated) : <60 g/l, **VOC for dilution (1:32)** < 2 gm/l. Propylene Glycol, not considered a VOC in this calculation

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to be avoided: Heat and freezing.

Materials/Chemicals to be avoided: Unknown

Decomposition Type: Thermal: Oxides of carbon, nitrogen and sulfur.

Possibility of Hazardous Reactions: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Irritating to eyes.

Acute Skin Irritation: Irritating to skin.

Acute Dermal Toxicity: No test data found for product.

Acute Respiratory Irritation: No test data found for product.

Acute Inhalation Toxicity: No test data found for product.

Acute Oral Toxicity:

LD50 (rabbit) = 18500 mg/kg for propylene glycol , LD50 (mouse) 3600 mg/kg for Isopropyl Alcohol

LD50(rat) =4000mg/kg for sodium bicarbonate , LD50(rat)= 3.3ml/kg for Ethoxylated Doedcyl Mercaptan

LD50(rat)4000mg/kg for Ethoxylated Nonylphenol branched, Not available for 3-TRIDECYLOXYPROPANAMINE CHLORIDE ETHOXYLATED

LD50(rat) 7878 mg/kg for 1,3,5-Triazine-2,4,6-trithiol trisodium salt

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC OR ACGIH to be a probable or suspected human carcinogen. No additional test data was found for this product

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found.

13. DISPOSAL CONSIDERATIONS

This product can be disposed in sanitary sewer system, with dilution, where permitted by local, federal and state regulations.

14. TRANSPORTATION INFORMATION

For containers over one gallon and for export or air: . (Do not stack cartons more than five high.

15. REGULATORY INFORMATION

Inventory Issues: All components of this product are listed on the U.S. TSCA, Canadian DSL, European EINECS/ELINS chemical listings.

16. OTHER INFORMATION

National Fire Protection Association

Hazard Rating, NFPA

Health

2

Flammability

1

Reactivity

0

Special

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MSDS CHANGES

REV

DATE

1/27/2021

DESCRIPTION OF CHANGE

New

This Evacuation System SDS is given in good faith, but no warranty expressed or implied is made.