Corrosion Technologies
2850 Industrial Ln
Garland, TX 75041
(972) 271-7361 Fax: (972) 278-9721

LAV CHEM™ CLEAR Safety Data Sheet

1. IDENTIFICATION

Product Name: **LAV CHEM™ CLEAR**
Product Numbers: 46986, 46984
Product Type and Use: Aqueous aviation lavatory deodorant
Manufacturer: Corrosion Technologies
2850 Industrial Ln, Garland, TX 75041
Contact: Telephone: 972-271-7361 Fax: 972-278-9721
Emergency Telephone: CHEMTREC® USA (800) 424-9300
Outside US +1 (703) 527-3887

2. HAZARDS IDENTIFICATION

Hazard Classification

Health Hazard(s)

Skin Irritation/Corrosion	Category 2
Eye Irritation	Category 2B

Physical Hazard(s)
None
Hazard(s) not otherwise classified
None

Labeling
Signal Word: **WARNING**
Pictograms: Exclamation Mark

Statements of Hazard
Hazard Statements
Causes skin and eye irritation
Precautionary Statements
Wash hands thoroughly after handling. Wear protective gloves. Dispose of contents and container in accordance with applicable regulations.
If on skin: Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a doctor.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Poly(oxy-1,2-ethanediyl), a,a'-[[[3-(decyloxy)propyl]methyliminio]di-2,1-ethanediyl]bis[w-hydroxy-, branched, chlorides	68478-94-4	1-3*

* Exact percentage of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice: Avoid skin and eye contact. Avoid breathing spray or mist.
Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Skin Contact: Remove contaminated clothing. Wash with soap and water. Seek medical attention.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Seek medical attention.
Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Suitable: Carbon Dioxide, Dry Chemical, and Foam
Unsuitable: Alcohol, Alcohol based solutions, any other media not listed above.
Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire and Explosion Hazards: None known
Hazardous Combustion/ Decomposition Products: Oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures: Use caution as spills may be slippery. Use personal protective equipment.
Methods and materials for containment and cleaning up: Dike and contain large spills with inert absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer into a properly labeled container for disposal according to applicable regulations.

7. HANDLING AND STORAGE

HANDLING
Precautions for Safe Handling: Avoid skin and eye contact. Follow all SDS/label precautions even after container is empty due to residue.
STORAGE
Conditions to avoid: Store in a cool, dry, well-ventilated place in the original container. Keep container tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: No constituents in this product have a PEL, TLV or other recommended exposure limit.
Engineering Controls: Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal Protection
Respiratory Protection: None required under normal use conditions.
Hand / Skin Protection: Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron may be worn depending on the extent and duration of exposure.
Eye / Face Protection: Face shield and chemical splash goggles. An eyewash station should be available to the area of use.
General Hygiene Measures: Avoid skin and eye contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent	**Autoignition Temperature:**	Not applicable
Physical State:	Non-viscous liquid	**Percent Volatile by volume:**	>80
Odor:	None	**Vapor Density (Air=1) :**	>1
Color:	Blue	**Evaporation Rate (BuAc=1) :**	<1
Viscosity, cSt @ 40°C:	Not established	**Vapor Pressure, mmHg @23°C:**	18
cSt @ 104°C:	Not established	**Solubility in water:**	Soluble
pH:	7.5-8.5	**Octanol/Water Partition:**	See Sect 12
Boiling Point/ Range:	>100°C / 212°F	**VOC Content (g/L) (%):**	<10 (<1)
Melting Point:	Not established	**Specific Gravity @ 22.2°C:**	1.018
Flash Point:	>93.3ºC / 200ºF	**Pour Point:**	0ºC / 32ºF
Method:	Not applicable	**Non-volatile by Volume (%):**	<20
Lower Explosive Limit, vol %:	Not established	**Dielectric Strength (KV):**	Not applicable
Upper Explosive Limit, vol %:	Not established		

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.
Conditions to Avoid: Avoid high temperatures.
Hazardous Polymerization: Will not occur.
Materials to Avoid: Reactive metals (e.g. sodium, calcium, zinc), bases, acids and oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product Information: Not established
Ingredient Information
Skn-Rbt LD50 >1,883 mg/kg, Ihl-rat LC50: 1.15 mg/L 4 h
Acute Effects
Signs and Symptoms of Overexposure: Skin irritation, Eye iritation, Coughing, Sneezing
Inhalation: Mist may cause coughing, sneezing and delayed lung injury.
Skin Contact: Causes irritation seen as itching and redness.
Eye Contact: Causes eye stinging, tearing and redness.
Ingestion: May cause pain, nausea, vomiting and diarrhea.
Primary Route(s) of Exposure: Eyes, Skin, Inhalation
Primary Route(s) of Entry: Inhalation, Ingestion
Target Organs: Eyes, Skin, Lungs
Chronic Effects: None known.
Carcinogenicity: Not established.
Medical Conditions Aggravated by Exposure: May aggravate existing skin, eye and respiratory conditions such as asthma and dermatitis.

12. ECOLOGICAL INFORMATION

Product Data: Not established
Ingredient Data: For Nonylphenol Ethoxylate family of materials
Moderately toxic to fish on an acute basis (LC50 between 1 and 10 mg/L).
Fish Acute & Prolonged Toxicity: LC50, Pimephales promelas (fathead minnow), 96 h: 1.2 - 9.3 mg/l
Aquatic Invertebrate Acute Toxicity: EC50, Daphnia magna (Water flea), 48 h, immobilization: 1.6 - 10 mg/l
Toxicity to Micro-organisms: EC50; Bacteria, 16 h: > 1,000 mg/l
Elimination Information
Persistence and Degradability: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean it is not biodegradable under environmental conditions.
OECD Biodegradation Tests: < 60 % (28 d) OECD 301B Test
Theoretical Oxygen Demand: 2.4 - 2.5 mg/mg
Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).
Partition coefficient, n-octanol/water (log Pow): 3.7 - 4.5 Estimated.
Bioconcentration Factor (BCF): 7 - 110; Fish; Estimated.

13. DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with applicable regulations.
Container: Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal. Empty containers may contain residues. Do not cut, weld or grind empty containers.

14. TRANSPORT INFORMATION

Road Transport
Not regulated

Sea Transport
Not regulated

Air Transport
Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations
Toxic Substances Control Act (TSCA): All components are included on the Inventory
Superfund Amendments and Reauthorization Act (SARA) Title III:

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
Yes	No	No	No	No

16. OTHER INFORMATION

Prepared by: Corrosion Technologies, Technical Services Department
Issue Date: 8/29/2023 **Supersedes Date:** 2/28/2021
Revision Indicator: v 2.2

National Fire Protection Association (704)
Health: 1 Flammability: 1 Reactivity: 0 Other:

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: U. S. Corrosion Technologies, (972) 271-7361.