

1. IDENTIFICATION

Product Name: CorrosionX® Aviation Aerosol
Product Number: 80101
Product Type and Use: Corrosion Inhibitor / Moisture Displacer / Lubricant
Manufacturer: U.S. Corrosion Technologies, LLC
2638 National Drive, Garland, TX 75041
Telephone: 972-271-7361 Fax: 972-278-9721
Contact:
Emergency Telephone: CHEMTREC® USA (800) 424-9300
Outside US +1 (703) 527-3887

2. HAZARDS IDENTIFICATION

Hazard Classification

Health Hazard(s)
Eye Irritation Category 2B
Physical Hazard(s)
Gases Under Pressure Compressed Gas
Hazard(s) not otherwise classified
None

Labeling

Signal Word: WARNING
Pictograms: Exclamation Mark, Gas Cylinder

Statements of Hazard

Hazard Statements

Causes eye irritation
Contains gas under pressure; may explode if heated

Precautionary Statements

Protect from sunlight. Store in a well-ventilated place. Wear eye protection. Wash hands thoroughly after handling.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Carbon Dioxide	124-38-9	1-5*
Mineral oil	8042-47-5	5-10*
Hydrotreated neutral base oil	72623-85-9	55-65*

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

4. FIRST AID MEASURES

General Advice: Causes eye irritation. Avoid eye contact. Use with adequate ventilation. Avoid breathing mist.
Inhalation: Remove from exposure area to fresh air. Give artificial respiration if not breathing. Get medical attention.
Skin Contact: Wipe excess from skin; remove contaminated clothing. Wash from skin with mild soap and water.
Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists.
Ingestion: Give water, DO NOT induce vomiting. No treatment necessary unless large quantities are ingested, then seek medical advice.

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: Pressurized container: Do not pierce or burn, even after use. Flame extension: 0 inches, Burnback: 0 inches
Hazardous Combustion/ Decomposition Products: Oxides of carbon, sulfur, calcium, magnesium and phosphorous.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures: Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment.
Methods and materials for containment and cleaning up: Do not flush into surface water or sanitary sewer system. Dike and contain spillage. Soak up with absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Use clean tools to collect absorbed material and transfer to a properly labeled container for disposal according to applicable regulations.

7. HANDLING AND STORAGE

HANDLING

Precautions for Safe Handling: Avoid eye contact. Use with adequate ventilation. Avoid breathing mist. Do not puncture or incinerate container. 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. Avoid excess heating.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Component	ACGIH		PEL ppm	OSHA		STEL ppm	STEL mg/m3
	TLV ppm	TLV mg/m3		PEL mg/m3	PEL mg/m3		
Mineral Oil	Not Est.	5	10	5	Not Est.	2500	
Hydrotreated neutral base oil	Not Est.	5	10	5	Not Est.	2500	
Carbon Dioxide	5000	Not Est.	Not Est.	Not Est.	30000	54000	

Engineering Controls: Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal Protection

Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation and for exposures above occupational exposure limits wear a NIOSH approved air purifying respirator with organic vapor cartridge.

Hand / Skin Protection: None typically required. For sensitive skin; 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: Safety glasses with side-shields. An eyewash station should be available to the area of use.

General Hygiene Measures Avoid 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	Lower Explosive Limit, vol %:	Not Established
Physical State:	Non-viscous liquid	Autoignition Temperature:	Not established
Odor:	Fresh scent	Volatile by volume (%):	3
Color:	Greenish-brown	Vapor Density (Air=1) :	>1
Viscosity, cSt @ 40°C:	33.2	Evaporation Rate (BuAc=1) :	<0.01
cSt @ 100°C:	7.0	Vapor Pressure, mmHg @23°C:	>1
pH:	Not applicable	Solubility in water:	Insoluble
Boiling Point/ Range:	>400°F / 204°C	Octanol/Water Partition:	Not established
Melting Point:	Not established	VOC Content g/l (%):	0 (0)
Flash Point:	132°C / 270°F	Specific Gravity @15.6°C:	0.871
Method:	Cleveland Open Cup	Pour Point:	-22°F / -30°C
Upper Explosive Limit, vol %:	Not Established	Non-volatile by Volume (%):	97

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.

Conditions to Avoid: Excess heating above 356°F / 180°C over long periods of time degrades the resin. Avoid high temperatures.

Hazardous Polymerization: Will not occur.

Materials to Avoid: Bases, acids, amines and oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information: Not established

Ingredient Information

Mineral oil: Orl-rat LD50 >5000 mg/kg, Skn-Rbt LD50 - 20,000 mg/kg

Hydrotreated neutral base oil: Orl-rat LD50 >5000 mg/kg, Skn-Rbt LD50 - 20,000 mg/kg

Acute Effects

Signs and Symptoms of Overexposure: Eye Irritation, Coughing, Sneezing, Dizziness, Drowsiness

Inhalation: May cause coughing and sneezing.

Skin Contact: May be slightly irritating to sensitive users. Prolonged and/or repeated contact with skin without adequate cleaning may clog the pores of the skin and may result in disorders such as oil acne or folliculitis in sensitive individuals.

Eye Contact: May cause stinging, tearing and redness.

Ingestion: May cause nausea, vomiting and diarrhea. Ingestion and subsequent vomiting may result in aspiration of the product into the lungs resulting in chemical pneumonitis, pneumonia and pulmonary edema.

Primary Route(s) of Exposure: Skin, Eyes, Inhalation

Primary Route(s) of Entry: Inhalation, Ingestion

Target Organs: Eyes, Central Nervous System

Chronic Effects: None known

Carcinogenicity: Highly refined base oil blend (< 3 % DMSO extractable) ACGIH group A4; not classified as human carcinogen.

Medical Conditions Aggravated by Exposure: May aggravate existing eye and respiratory conditions such as asthma.

12. ECOLOGICAL INFORMATION

Product Data: Not established

Ingredient Data: Not established

Elimination Information: Expected to be not readily biodegradable. The major oil component is expected to biodegrade over period of 100-120 days in aerobic environment at temperature above 70°F (21°C), however finished product contains components that may persist in the environment. May contain components that bioaccumulate.

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, grind, puncture or incinerate empty containers.

14. TRANSPORT INFORMATION

Road Transport

DOT Hazard Class: ORM-D

Sea Transport

IMDG/GGV See Class: Class 2.2

UN-No.: UN 1950

Proper Shipping Name: Aerosols, Non-Flammable

Air Transport

ICAO/IATA Class: Class 2.2

UN-No.: UN 1950

Shipping Name: Aerosols, Non-Flammable

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	Yes	No

16. OTHER INFORMATION

Prepared by: U.S. Corrosion Technologies, LLC Technical Services Department

Revision Date: 9/15/2016

Supersedes Date: Not applicable

Revision Indicator: New OSHA 2012 SDS v1.0

National Fire Protection Association (704)
NFPA 30 B – Category 3 Aerosol

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, LLC (972) 271-7361.