U. S. Corrosion Technologies, LLC
P. O. Box 551625
Dallas, Texas 75355-1625
(972) 271-7361 Fax: (972) 278-9721

BULK

Corrosion X® AVIATION
Safety Data Sheet

1. IDENTIFICATION

Product Name: **CorrosionX® Aviation**
Product Numbers: 80103, 84004, 84005, 84002, 84001
Product Type and Use: Corrosion Inhibitor / Moisture Displacer / Lubricant
Manufacturer: U.S. Corrosion Technologies, LLC
2638 National Drive, 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)
Eye Irritation Category 2B
Physical Hazard(s)
None
Hazard(s) not otherwise classified
Aspiration Hazard Category 1

Labeling

Signal Word: **DANGER**
Pictograms: Heath Hazard
Statements of Hazard
Hazard Statements
Causes eye irritation
May be fatal if swallowed and enters airways
Precautionary Statements
Wash thoroughly after handling. Store locked up. Dispose of contents and container in accordance with applicable regulations.
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 attention.
If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor or poison center.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Mineral oil	8042-47-5	10-15*
Hydrotreated neutral base oil	72623-85-9	65-75*

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

4. FIRST AID MEASURES

General Advice: Causes eye irritation. Avoid eye contact. Aspiration hazard; do not swallow. May cause lung damage. Use with adequate ventilation. Avoid breathing mist. Keep container closed.
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 with 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: Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison control center.

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, 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. 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 closed when not in use. Avoid excess heating and high temperatures.

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.

	ACGIH		OSHA			
Component	**TLV ppm**	**TLV mg/m3**	**PEL ppm**	**PEL mg/m3**	**STEL ppm**	**STEL mg/m3**
Mineral Oil	Not Est.	5	10	5	Not Est.	2500
Hydrotreated neutral base oil	Not Est.	5	10	5	Not Est.	2500

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	**Autoignition Temperature:**	Not established
Physical State:	Non-viscous liquid	**Volatile by volume (%):**	4
Odor:	Fresh scent	**Vapor Density (Air=1) :**	5.9
Color:	Greenish-brown	**Evaporation Rate (BuAc=1) :**	<1
Viscosity, cSt @ 40°C:	33.2	**Vapor Pressure, mmHg @20°C:**	<0.05
cSt @ 100°C:	7.0	**Solubility in water:**	Insoluble
pH:	Not applicable	**Octanol/Water Partition:**	Not established
Boiling Point/ Range:	>421°F / 216°C	**VOC Content g/l (%):**	0 (0)
Melting Point:	Not established	**Specific Gravity @15.6°C:**	0.895
Flash Point:	143°C / 290°F	**Pour Point:**	-22°F / -30°C
Method:	Cleveland Open Cup	**Non-volatile by Volume (%):**	96
Lower Explosive Limit, vol %:	Not Est.	**Dielectric Strength (KV):**	37
Upper Explosive Limit, vol %:	Not Est.		

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 by itself, but masses of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat.
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
Inhalation: May cause coughing and sneezing.
Skin Contact: May be slightly irritating to sensitive users. Prolonged and repeated contact with skin without adequate cleaning may clog the pores of the skin and may result in disorders such as oil acne (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: Eyes, Inhalation
Primary Route(s) of Entry: Inhalation, Ingestion
Target Organs: Eyes, Lungs
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 and dermatitis.

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 or grind empty containers.

14. TRANSPORT INFORMATION

Road Transport
DOT Hazard Class: Not Regulated

Sea Transport
IMDG/GGV See Class: Not Regulated

Air Transport
ICAO/IATA Class: 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
X	-	-	-	-

16. OTHER INFORMATION

Prepared by: U.S. Corrosion Technologies, LLC Technical Services Department
Revision Date: 7/7/2016 **Supersedes Date:** 6/23/2016
Revision Indicator: v 2.1

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, LLC (972) 271-7361.