

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 (703) 927-3887

## 2. HAZARDS IDENTIFICATION

### Hazard Classification

#### Health Hazard(s)

Eye Irritation Category 2B  
Inhalation Category 4

#### Physical Hazard(s)

None

#### Hazard(s) not otherwise classified

Aspiration Hazard Category 1

### Labeling

#### Signal Word:

**DANGER**

#### Pictograms:

Exclamation Mark, Health Hazard

#### Statements of Hazard

##### Hazard Statements

Causes eye irritation  
Harmful if inhaled  
May be fatal if swallowed and enters airways

##### Precautionary Statements

Use only outdoors or in a well-ventilated area. Avoid breathing mist. Store locked up. Dispose of contents and container in accordance with local 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 advice/attention.  
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.  
If swallowed: Immediately call a doctor or poison center. Do NOT induce vomiting.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Hydrotreated light petroleum distillates	64742-47-8	7-10*
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. Prolonged and repeated inhalation may cause dizziness and drowsiness. Keep container closed.

**Inhalation:** Remove from exposure area. Remove 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:** 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:** Solvent vapors are heavier than air and may travel to distant, low lying sources of ignition and may ignite and explode.

**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. Remove all sources of ignition and take precautionary measures against static discharges.

**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 non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for disposal according to local / national 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 tightly closed when not in use. Avoid excess heating, high temperatures, sparks, hot surfaces, open flames, and all other sources of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

Component	ACGIH		OSHA		STEL ppm	STEL mg/m <sup>3</sup>
	TLV ppm	TLV mg/m <sup>3</sup>	PEL ppm	PEL mg/m <sup>3</sup>		
Hydrotreated light petroleum distillates	100	-	-	-	500	-
Mineral Oil	-	5	10	5	-	10
Hydrotreated neutral base oil	-	5	10	5	-	10

**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 required under normal use conditions. Wear impermeable gloves such as neoprene or nitrile rubber gloves, gauntlets and apron 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

<b>Appearance:</b>	Transparent	<b>Autoignition Temperature:</b>	Not established
<b>Physical State:</b>	Non-viscous liquid	<b>Percent Volatile by volume:</b>	Not established
<b>Odor:</b>	Fresh scent	<b>Vapor Density (Air=1) :</b>	>1
<b>Color:</b>	Greenish-brown	<b>Evaporation Rate (BuAc=1) :</b>	<0.01
<b>Viscosity, cSt @ 40°C:</b>	33.2	<b>Vapor Pressure, mmHg @23°C:</b>	>1
<b>cSt @ 100°C:</b>	7.0	<b>Solubility in water:</b>	Insoluble
<b>pH:</b>	6.9	<b>Octanol/Water Partition:</b>	Not established
<b>Boiling Point/ Range:</b>	>400°F / 204°C	<b>VOC Content g/l (%):</b>	82 (5)
<b>Melting Point:</b>	Not established	<b>Specific Gravity @15.6°C:</b>	0.895
<b>Flash Point:</b>	132°C / 270°F	<b>Pour Point:</b>	-22°F / -30°C
<b>Method:</b>	Cleveland Open Cup	<b>Percent non-volatile by Volume:</b>	>92
<b>Lower Explosive Limit, vol %:</b>	4.8	<b>Dielectric Strength (KV):</b>	49
<b>Upper Explosive Limit, vol %:</b>	7		

## 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, sparks, open flame, and all other sources of ignition

**Hazardous Polymerization:** Will not occur by itself, but masses of more than 1lb. 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

**Product Information:** Not established

**Ingredient Information:** Not established

### Acute Effects

**Signs and Symptoms of Overexposure:** Eye irritation, Coughing/Sneezing, Dizziness

**Inhalation:** Not established

**Skin Contact:** Skn-Rbt - 20,000 mg/kg

**Eye Contact:** Not established

**Ingestion:** Ori-rat LD50 >5000 mg/kg

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

**Primary Route(s) of Entry:** Inhalation, Ingestion

**Target Organs:** Eyes, lungs

**Chronic Effects:** None known

**Carcinogenicity:** Not established

**Medical Conditions Aggravated by Exposure:** May aggravate existing eye and respiratory conditions

## 12. ECOLOGICAL INFORMATION

**Product Data:** Not established

**Ingredient Data:** Not established

**Elimination Information:** biodegradation under aerobic static laboratory conditions is below detectable limits (i.e. BOD less than 2.5% of theoretical) in 20 days.

## 13. DISPOSAL CONSIDERATIONS

**Product:** Dispose of in accordance with local regulations.

**Container:** Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal. Empty containers contain residues. Do not cut, weld or grind empty containers.

## 14. TRANSPORT INFORMATION

### Road Transport

DOT Hazard Class: Non-Hazardous/ Non-Restricted

### Sea Transport

IMDG/GGV See Class: Non-Hazardous/ Non-Restricted

### Air Transport

ICAO/IATA Class: Non-Hazardous/ Non-Restricted

## 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:** 2/3/2015

**Supersedes Date:** 9/13/2012

**Revision Indicator:** Update to OSHA 2012 SDS

National Fire Protection Association (704)

Health: 1      Flammability: 2      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.