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Aerosol

# Corrosion X® AVIATION Safety Data Sheet

## 1. IDENTIFICATION

**Product Name:** CorrosionX® Aviation Aerosol  
**Product Number:** 80102  
**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  
Inhalation Category 4

#### Physical Hazard(s)

Gases Under Pressure Compressed Gas  
Flammable Aerosols Category 1

#### Hazard(s) not otherwise classified

None

### Labeling

**Signal Word:** DANGER  
**Pictograms:** Exclamation Mark, Flame, Gas Cylinder

#### Statements of Hazard

##### Hazard Statements

Causes eye irritation  
Harmful if inhaled  
Extremely flammable aerosol  
Contains gas under pressure; may explode if heated

##### Precautionary Statements

Pressurized container: Do not pierce or burn, even after use. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 122°F/50°C. Keep away from heat, hot surfaces, sparks and open flames. - No smoking. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Avoid breathing mist and vapors. Wear eye protection and protective gloves. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.  
If on skin: Wash with plenty of water. If skin irritation occurs: get medical advice/attention.  
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 poison center/doctor if you feel unwell.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Hydrotreated light petroleum distillates	64742-47-8	5-10*
Petroleum gases, liquefied, sweetened	68476-86-8	10-15*

\* 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 or vapor; inhalation overexposure may cause dizziness and drowsiness. Extremely flammable aerosol; keep away from heat, hot surfaces, sparks, hot surfaces and open flame.

**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:** Solvent vapors are heavier than air and may travel to distant, low lying sources of ignition and may ignite and explode. Flame extension: >18 inches, Burnback: > 10 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. 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 or vapors. Avoid ignition sources. 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, 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/m3
	TLV ppm	TLV mg/m3	PEL ppm	PEL mg/m3		
Hydrotreated light petroleum distillates	100	-	500	-	-	-
Petroleum gases, liquefied, sweetened	1000	1800	1000	1800	-	-

**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

<b>Appearance:</b>	Transparent	<b>Lower Explosive Limit, vol %:</b>	0.7
<b>Physical State:</b>	Non-viscous liquid	<b>Autoignition Temperature:</b>	Not established
<b>Odor:</b>	Fresh scent	<b>Volatile by volume (%):</b>	18
<b>Color:</b>	Dark-amber	<b>Vapor Density (Air=1) :</b>	>1
<b>Viscosity, cSt @ 40°C:</b>	47.3	<b>Evaporation Rate (BuAc=1) :</b>	<0.01
<b>cSt @ 100°C:</b>	7.0	<b>Vapor Pressure, mmHg @23°C:</b>	>1 mmHg
<b>pH:</b>	Not applicable	<b>Solubility in water:</b>	Insoluble
<b>Boiling Point/ Range:</b>	>400°F / 204°C	<b>Octanol/Water Partition:</b>	Not established
<b>Melting Point:</b>	Not established	<b>VOC Content g/l (%):</b>	253 g/L
<b>Flash Point:</b>	132°C / 270°F	<b>Specific Gravity @15.6°C:</b>	0.871
<b>Method:</b>	Cleveland Open Cup	<b>Pour Point:</b>	-22°F / -30°C
<b>Upper Explosive Limit, vol %:</b>	5.3	<b>Non-volatile by Volume (%):</b>	>80

## 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 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

Acute oral toxicity: Expected to be low toxicity; Orl-rat LD50 > 5,000 mg/kg (estimated)

Acute dermal toxicity: Expected to be low toxicity; Skn-rbt LD50 > 5,000 mg/kg (estimated)

Acute inhalation toxicity: Not determined

Skin corrosion / irritation: May be slightly irritating to sensitive users. Prolonged/repeated contact with skin without adequate cleaning may clog the pores of the skin, may result disorder such as oil acne/folliculitis.

Serious eye damage /irritation: May be slightly irritating

**Ingredient Information:** Not established

#### Acute Effects

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

**Inhalation:** May cause coughing and sneezing. Prolonged and repeated inhalation may cause nausea, dizziness and drowsiness.

**Skin Contact:** Prolonged or repeated contact may cause irritation 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:** Skin, 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.

## 12. ECOLOGICAL INFORMATION

**Product Data:** Not established

**Ingredient Data:** Not established

**Elimination Information:** Expected to be not readily biodegradable. The major oil components are 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 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, grind, puncture or incinerate empty containers.

## 14. TRANSPORT INFORMATION

### Road Transport

**DOT Hazard Class:** ORM-D

**Description:** Lubricant

### Sea Transport

**IMDG/GGV See Class:** Class 2.1

**UN-No.:** UN1950

**Packing Group:** II

**Proper Shipping Name:** Aerosols, Flammable

### Air Transport

**ICAO/IATA Class:** Class 2.1

**UN-No.:** UN1950

**Packing Group:** II

**Shipping Name:** Aerosols, 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
X	-	X	X	-

## 16. OTHER INFORMATION

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

**Revision Date:** 8/18/2015

**Supersedes Date:** 5/21/2015

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

National Fire Protection Association (704) Health: 1 Flammability: 4 Reactivity: 0 Other:  
NFPA 30 B – Category 3 Aerosol

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.