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

Aerosol

Corrosion X® Heavy Duty
Safety Data Sheet

1. IDENTIFICATION

Product Name: **CorrosionX® Heavy Duty Aerosol**
Product Number: 90104
Product Type and Use: Corrosion Inhibitor / Moisture Displacer / Lubricant
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)
Eye Irritation Category 2B

Physical Hazard(s)
Flammable Aerosols Category 1

Hazard(s) not otherwise classified
None

Labeling

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

Statements of Hazard

Hazard Statements
Extremely flammable aerosol
Causes eye irritation

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 122ºF/50ºC. Keep away from heat, hot surfaces, sparks and open flames - No smoking. Do not spray on an open flame or other ignition source. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. 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 advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Mineral Spirits	8052-41-3	5-10*
Petroleum gases, liquefied, sweetened	68476-86-8	10-15*
Crystalline Silica (Quartz)	14808-60-7	0.1-1.0*

* 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 applicable 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
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**	**IDLH mg/m3**
Mineral Spirits	100	Not Est.	Not Est.	Not Est.	500	Not Est.
Petroleum gases, liquefied, sweetened	1000	1800	1000	1800	Not Est.	Not Est.
Crystalline Silica (Quartz)	Not Est.	0.025	Not Est.	0.1 (resp)	Not Est.	50 (resp)

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent	**Lower Explosive Limit, vol %:**	0.7
Physical State:	Semi-viscous liquid	**Autoignition Temperature:**	Not established
Odor:	Petroleum	**Volatile by volume (%):**	24
Color:	Light Brown	**Vapor Density (Air=1) :**	>1
Viscosity, cSt @ 40℃:	47.3	**Evaporation Rate (BuAc=1) :**	<0.01
cSt @ 100℃:	7.0	**Vapor Pressure, mmHg @23℃:**	>1 mmHg
pH:	Not applicable	**Solubility in water:**	Insoluble
Boiling Point/ Range:	>400℉ / 204℃	**Octanol/Water Partition:**	Not established
Melting Point:	Not established	**VOC Content (g/l) (%):**	230-240 (23-24)
Flash Point:	132℃ / 270℉	**Specific Gravity @15.6℃:**	0.911
Method:	Cleveland Open Cup	**Pour Point:**	-22℉ / -30℃
Upper Explosive Limit, vol %:	7	**Non-volatile by weight (%):**	76

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.
Conditions to Avoid: Avoid high temperatures, sparks, open flame and all other sources of ignition
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 Spirits: Orl-rat LD50 - >6500 mg/kg, Skn-rbt LD50 - >3000 mg/kg, Ihl–rat LC50 - >14 mg/l 4 hr
Crystalline Silica (Quartz): Orl-rat LD50: > 8000 mg/kg
Petroleum gases, liquefied, sweetened: 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. Prolonged and/or repeated contact with skin without adequate cleaning may clog the pores of the skin, may result disorder such as oil acne/folliculitis.
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, Lungs
Chronic Effects: May cause cancer by inhalation

Carcinogenicity: Contains highly refined base oil blend (< 3 % DMSO extractable) ACGIH group A4; not classified as human carcinogen. Crystalline silica (quartz) is classified by ACGIH A2 Suspected Human Carcinogen, IARC Group 1- Carcinogenic to Humans, NTP Group A - Known to be human carcinogens and is present on the OSHA carcinogen list
Medical Conditions Aggravated by Exposure: May aggravate existing eye and respiratory conditions.

12. ECOLOGICAL INFORMATION

Product Data
Toxicity to Fish: Not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water.
Toxicity to Terrestrial Plants: If applied to leaves, may kill grasses and small plants by interfering with transpiration and respiration.
Toxicity to Above-Ground Organisms: May be moderately toxic to amphibians by preventing dermal respiration. May cause gastrointestinal distress in birds and mammals through ingestion.
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℉ (21℃), 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 2.1
UN-No.: UN1950
Proper Shipping Name: Aerosols, Flammable

Air Transport
ICAO/IATA Class: Class 2.1
UN-No.: UN1950
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
Yes	Yes	Yes	Yes	No

16. OTHER INFORMATION

Prepared by: Corrosion Technologies, Technical Services Department
Revision Date: 6/10/2024 **Supersedes Date:** 6/14/2018
Revision Indicator: v 3.1

National Fire Protection Association (704) Health: 2 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.