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

Aerosol

A-PLEX™ Safety Data Sheet

1. IDENTIFICATION

Product Name: **A-PLEX™ (aerosol)**
Product Number: 56955
Product Type and Use: Cleaner
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)
None

Physical Hazard(s)
Flammable Aerosols Category 1
Gases Under Pressure Liquified gases

Hazard(s) not otherwise classified
None

Labeling

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

Statements of Hazard

Hazard Statements
Extremely flammable aerosol. Contains gas under pressure; may explode if heated.

Precautionary Statements
Keep away from heat, hot surfaces, sparks and open flames - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not expose to temperatures exceeding 122ºF/50ºC. Protect from sunlight. Store in a well-ventilated place. Dispose of contents and container in accordance with applicable regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Ethanol	64-17-5	5-10*
Petroleum gases, liquefied, sweetened	68476-86-8	1-5*
Diethylene glycol monobutyl ether	112-34-5	1-5*

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

4. FIRST AID MEASURES

General Advice: May causes eye irritation. Avoid eye contact. Use with adequate ventilation. Avoid breathing mist or vapor; inhalation overexposure may cause dizziness and drowsiness. 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.
Hazardous Combustion/ Decomposition Products: Oxides of carbon and nitrogen

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

	ACGIH		OSHA			
Component	**TLV ppm**	**TLV mg/m3**	**PEL ppm**	**PEL mg/m3**	**STEL ppm**	**STEL mg/m3**
Ethanol	1000	1900	Not Est.	Not Est.	1000	Not Est.
Butane	1000	1800	1000	1800	Not Est.	Not Est.
Isobutane	1000	1800	1000	1800	Not Est.	Not Est.
Propane	1000	1800	1000	1800	Not Est.	Not Est.

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.
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 %:**	1.9
Physical State:	Non-viscous liquid	**Autoignition Temperature:**	Not established
Odor:	Alcohol	**Volatile by volume (%):**	100
Color:	Water White	**Vapor Density (Air=1) :**	>1
Viscosity, cSt @ 40℃:	Not established	**Evaporation Rate (BuAc=1) :**	<0.01
cSt @ 100℃:	Not established	**Vapor Pressure, mmHg @23℃:**	>1 mmHg
pH:	10.75	**Solubility in water:**	Soluble
Boiling Point/ Range:	>200℉ / 93℃	**Octanol/Water Partition:**	Not established
Melting Point:	>32℉ / 0℃	**VOC Content (g/L)(%):**	115 (11.9)
Flash Point:	132℃ / 270℉	**Specific Gravity @15.6℃:**	0.99
Method:	Closed cup	**Pour Point:**	>32℉ / 0℃
Upper Explosive Limit, vol %:	8.5	**Non-volatile by Volume (%):**	0

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
Ethanol: Orl-Hmn LDL0: 1400 mg/kg, Orl-rat LD50 - 7,060 mg/kg, Ihl-rat LC50 – 20,000 ppm 10h, Skin corrosion/irritation (OECD Test Guideline 404): Skn-Rbt No skin irritation - 24 h, Serious eye damage/eye irritation (OECD Test Guideline 405): Eye-Rbt Mild eye irritation - 24 h
Butane, Isobutane, Propane: No toxicity data are available.
Acute Effects
Signs and Symptoms of Overexposure: Eye Irritation, Coughing, Sneezing, Dizziness, Drowsiness
Inhalation: Vapor and mist may cause respiratory irritation with nasal discomfort and discharge, coughing and sneezing.
Skin Contact: May cause redness and itching in sensitive individuals.
Eye Contact: May cause stinging, tearing and redness.
Ingestion: May cause nausea, vomiting and diarrhea.
Primary Route(s) of Exposure: Eyes, Inhalation
Primary Route(s) of Entry: Inhalation, Ingestion
Target Organs: Eyes, Repeated overexposure can also damage central nervous system, kidneys, lungs, liver, heart and blood
Chronic Effects: Ethanol: Mutagenic data (RTECS); reproductive effects data: Human - female - Oral; tumorigenic data: equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Blood: Lymphomas including Hodgkin's disease.
Carcinogenicity: Ethanol - Confirmed mouse – oral carcinogen with unknown relevance to humans, IARC: Group 3: Not classifiable as to its carcinogenicity to humans
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
Ethanol: Not established
Butane, Isobutane, Propane: Not established
Elimination Information: Not applicable; aerosol product.

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: Limited quantity (LTD QTY)

Sea Transport
IMDG/GGV See Class: 2.1
UN-No.: UN1950
Packing Group: III
Proper Shipping Name: Aerosols, Flammable

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

16. OTHER INFORMATION

Prepared by: Corrosion Technologies, Technical Services Department
Revision Date: 4/25/2024 **Supersedes Date:** 10/10/2017
Revision Indicator: v2.1

National Fire Protection Association (704) Health: 1 Flammability: 4 Reactivity: 0 Other:
NFPA 30 B – Category 2 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.