CureCorr™ SDS Safety Data Sheet

LEKTRO-TECH S (Aerosol)

1. Identification

Product Identifier

Trade name: LEKTRO-TECH S (Aerosol)
Product Number: 310 (12-502)
Application of the substance / the mixture: Corrosion Inhibitor

Details of the Supplier of the Safety Data Sheet

Supplier
CureCorr LLC
2300 S. Dock Street, 102
Palmetto, FL 34221
www.curecorr.com

Emergency telephone number: CHEMTEL INC
Within the USA and Canada: 1-800-255-3924
Outside the USA and International: +01-813-248-0585

2. Hazard(s) Identification

Classification of the Substance or Mixture

GHS08 Health hazard
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS07
H302 Harmful if swallowed.
H332 Harmful if inhaled.

GHS04
H280 Gases under pressure.

Label Elements

GHS Label Elements

The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms

 GHS08	 GHS07	 GHS04

Signal Word Danger

Hazard-determining components of labeling:
Trans-dichloroethylene
Ethyl nonafluorobutyl ether

Hazard Statements

DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD!
Harmful if swallowed or if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary statements Wear respiratory protection.
Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling.
Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.
If experiencing respiratory symptoms: Call a poison center/doctor. If swallowed: Call a poison center/doctor if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Rinse mouth.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification System

NFPA ratings (scale 0-4)

Health = 1
Fire = 0
Reactivity = 0

HMIS ratings (scale 0-4)

Health = 1
Fire = 0
Reactivity = 0

Other Hazards

Results of PBT and vPvB Assessment
PBT: Not applicable.
vPvB: Not applicable.

3. Composition/Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Dangerous Components		
156-60-5	trans-dichloroethylene	50-100%
138495-42-8	1,1,1,2,2,3,4,5,5,5-Decafluoropentane	2.5-<10%
163702-05-4	Ethyl Nonafluorobutyl Ether	0.1-<1%
8052-41-3	Mineral spirits	1-<5%
64742-52-5	Mineral Oil	5-<10%
64741-89-5	Mineral Oil	1-<5%
64742-53-6	Mineral Oil	1-<5%
64742-65-0	Mineral Oil	1-<5%
Confidential	Calcium Sulfonate	< 0.1%
9002-84-0	Polytetrafluoroethylene (PTFE)	5-<10%
124-38-9	Carbon Dioxide Propellant	< 25%

4. First-Aid Measures

Description of First-Aid Measures

General Information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In Case of Unconsciousness: Place patient stably in side position for transportation.

After Skin Contact: If skin irritation continues, consult a doctor.

After Eye Contact: Rinse opened eye for several minutes under running water.

After Swallowing: Induce vomiting, only if affected person is fully conscious. Call a doctor immediately.

Information for Doctor: Most important symptoms and effects, both acute and delayed: No further relevant information available. Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. Fire-Fighting Measures

Extinguishing Media
Suitable Extinguishing Agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Hazards Arising from the Substance or Mixture: No further relevant information available.

Advice for Fire-Fighters: Protective equipment: Mouth respiratory protective device.

Contents under pressure: In a fire or if heated, a pressure increase will occur which may result in container exploding.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear protective equipment. Keep unprotected persons away.

Environmental Precautions: Inform respective authorities in case of seepage into water course or sewage system.

Methods and Material for Containment and Cleaning Up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

Reference to Other Sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and Storage

Handling: KEEP OUT OF THE REACH OF CHILDREN.
Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
Information about protection against explosions and fires:
Keep ignition sources away – Do not smoke.

Conditions for Safe Storage, Including Any Incompatibilities
Storage: Requirements to be met by storerooms and receptacles: Store only in the original receptacle. Individual cans should be kept in an area below 122F.

Information About Storage in One Common Storage Facility: Not required.
Further information about storage conditions: Keep receptacle tightly sealed.

Specific End Use(s): No further relevant information available.

8. Exposure Controls/Personal Protection

Extinguishing Media

Additional information about design of technical systems: No further data; see item 7.

Control Parameters

Components with Limit Values that Require Monitoring at the Workplace	
156-60-5 trans-dichloroethylene	
PEL	Long-term value: 790 mg/m³, 200 ppm
REL	Long-term value: 790 mg/m³, 200 ppm
TLV	Long-term value: 793 mg/m³, 200 ppm

Additional Information: The lists that were valid during the creation were used as basis.

Exposure Controls: Personal protective equipment.

General Protective and Hygienic Measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols.

Breathing Equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of Hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of Gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration Time of Glove Material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection: Goggles recommended during refilling.

9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Form:	Liquid
Color:	Light Amber
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in Condition	
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	47 °C (117 °F)
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	440 °C (824 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion Limits	
Lower:	9.7 Vol %
Upper:	12.8 Vol %
Vapor pressure at 20 °C (68 °F):	350 hPa (263 mm Hg)
Density at 20 °C (68 °F):	1.284 g/cm³ (10.715 lbs/gal)
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with Water	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity	
Dynamic:	Not determined
Kinematic:	Not determined
Other information:	No further relevant information available.

10. Stability and Reactivity

Reactivity
Chemical Stability
Thermal Decomposition/Conditions to Be Avoided: No decomposition if used according to specifications.

Possibility of Hazardous Reactions: Violent reactions with strong alkali's and oxidizing agents.

Conditions to Avoid: No further relevant information available.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: No dangerous decomposition products known.

11. Toxicological Information

Information on Toxicological Effects: Acute toxicity.

LD/LC50 Values that are Relevant for Classification		
156-60-5 trans-dichloroethylene		
Oral	LD50	770 mg/kg (rat)

Primary Irritant Effect

On the Skin: No irritant effect.

On the Eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional Toxicological Information

The Product Shows the following Dangers According to Internally Approved Calculation

Methods for Preparations: Harmful

Carcinogenic Categories

IARC (International Agency for Research on Cancer)	None of the ingredients is listed.
NTP (National Toxicology Program)	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients is listed.

12. Ecological Information

Toxicity
Aquatic Toxicity: No further relevant information available.
Persistence and Degradability: No further relevant information available.
Behavior in Environmental Systems
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil: No further relevant information available.

Ecotoxical Effects: Harmful to fish.

Additional Ecological Information
General Notes: Harmful to aquatic organisms.
Results of PBT and vPvB Assessment
PBT: Not applicable.
vPvB: Not applicable.
Other Adverse Effects: No further relevant information available.

13. Disposal Considerations

Waste Treatment Method Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packagings
Recommendation: Disposal must be made according to official regulations.

14. Transport Information

UN-Number	UN 1950 Class 2.2, Non-Flamable	
DOT, ADR, ADN, IMDG, IATA		2.2
UN proper shipping name	Aerosols Non-Flamable	
DOT, ADR, ADN, IMDG, IATA		2.2
Transport hazard class(es)	2.2	
DOT, ADR, ADN, IMDG, IATA		2.2
Packing group	II	
DOT, ADR, IMDG, IATA		2.2
Environmental hazards:		U-Waste
Marine pollutant		No
Special precautions for user:		Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		Not applicable
UN “Model Regulation”		Not applicable

15. Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Section 355 (extremely hazardous substances):	None of the ingredients listed.
Section 313 (Specific toxic chemical listings):	None of the ingredients listed.
TSCA (Toxic Substances Control Act):	All ingredients are listed.

Proposition 65

Chemicals known to cause cancer.	None of the ingredients listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients listed.
Chemicals known to cause developmental toxicity:	None of the ingredients listed.

Carcinogenic Categories

EPA (Environmental Protection Agency)

156-60-5	trans-dichloroethylene
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients listed.
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients listed.

GHS Label Elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms


GHS08


GHS07


GHS04

Signal word Danger

Hazard-Determining Components of Labeling: Trans-dichloroethylene & Ethyl nonafluorobutyl Ether

Hazard Statements:

Harmful if wallowed or if inhaled.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements Wear respiratory protection.

Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling.

Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.

If experiencing respiratory symptoms: Call a poison center/doctor. If swallowed: Call a poison center/doctor if you feel unwell.

IF INHALED: Remove victim to fresh air, keep in a position comfortable for breathing. Rinse mouth.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other Information

The information contained herein is based on available data from reliable sources and is accurate to the best of CureCorr LLC knowledge at the time of this publication. CureCorr LLC makes no warranty, expressed or implied, of merchantability or fitness for a particular purpose, course of performance or usage of trade. The user is solely responsible for determining the suitability and completeness of such information for their particular application and for adopting appropriate safety precautions. Physical properties listed within are typical values based on samples tested and should not be construed as guaranteed analysis of any specific lot or as specifications for the product. This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factors may involve additional safety or performance considerations. This data is not to be taken as a warranty or representation for which CureCorr LLC assumes legal or financial responsibility.

The data contained herein is based on information currently available to CureCorr LLC and is believed to be accurate and reliable. CureCorr LLC makes no warranties, expressed or implied, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose, course of performance or usage of trade. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular application. Physical properties listed within are typical values based on samples tested and should not be construed as guaranteed analysis of any specific lot or as specifications for the product. This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage.

Other factors may involve additional safety or performance considerations. This data is not to be taken as a warranty or representation of which CureCorr LLC assumes legal or financial responsibility.