



SAFETY DATA SHEET

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Revision Number: 1.01

1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: SuperCorr A Aerosol
Product code: 016589-01

Other means of identification

Synonyms No information available

Application

Recommended Use Corrosion Preventive
Uses advised against For industrial use only

Supplier/Manufacturer:

Supplier:
ENGINEERED CUSTOM LUBRICANTS (ECL)
3851 Exchange Avenue
Aurora, IL 60504 USA
Phone: (630)449-5000

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1
Chronic aquatic toxicity	Category 3
Gases under pressure	Compressed gas

Label Elements

Emergency Overview

DANGER

Hazard Statements

Harmful if inhaled
 May cause genetic defects
 May cause cancer
 Causes damage to organs through prolonged or repeated exposure
 Harmful to aquatic life with long lasting effects
 Contains gas under pressure; may explode if heated

**Appearance** Clear, colorless solution**Physical State** Aerosol**Odor** Characteristic**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Avoid release to the environment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

May be harmful if swallowed. Harmful to aquatic life.

Unknown acute toxicity 2.2698% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No	Weight %
trans-Dichloroethylene	156-60-5	80 - 90%
Mineral spirits	8052-41-3	1 - 5%
Calcium Sulfonate	PROPRIETARY	<1%

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice:	Show this safety data sheet to the doctor in attendance Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin contact:	Remove and wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.
Ingestion:	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person
Inhalation:	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration If breathing is difficult, give oxygen Consult a physician.
Note to physician:	Treat symptomatically.
Medical condition aggravated by exposure:	None known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO2, water spray or `alcohol` foam.
Specific hazards:	Do not allow material to contaminate ground water system.
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods:	Water mist may be used to cool closed containers

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
Environmental precautions:	Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

Technical measures/precautions: Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

Storage

Technical measures/storage conditions: Do not puncture or incinerate container. Store at room temperature in the original container.

Incompatible products: Strong oxidizing agents

Safe storage temperature: 40 - 100 ° F

Shelf life: 60 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
trans-Dichloroethylene	200 ppm (TWA)	None	None
Carbon dioxide	5000 ppm (TWA) 30000 ppm (STEL)	5000 ppm 9000 mg/m ³	5000 ppm (TWA) 9000 mg/m ³ (TWA) 30000 ppm (STEL) 54000 mg/m ³ (STEL)
Mineral spirits	100 ppm (TWA)	500 ppm 2900 mg/m ³	350 mg/m ³ (TWA) 1800 mg/m ³ (Ceiling)
Mineral Oil*	5 mg/m ³	5mg/m ³	5mg/m ³

Engineering measures: Ensure adequate ventilation

Personal Protective Equipment:

General: Eye Wash and Safety Shower

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

Eye protection: Safety glasses with side-shields

Hand protection: Neoprene gloves

Skin and body protection: Long sleeved clothing

Hygiene measures: Avoid contact with skin, eyes and clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aerosol
Appearance	Clear, colorless solution
Odor	Characteristic
Odor Threshold	No information available
pH concentrate:	No information available
pH Dilution	No information available
Melting/freezing point	No information available
Boiling Point/Range	47.2 °C / 117 °F
Flash Point	No information available
Method	No information available
Evaporation rate	No information available
Flammability Limits in Air	
upper flammability limit	No information available
lower flammability limit	No information available
VOC Content Product (lb/gal)	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity (g/cc, 15 C)	No information available
Density @ 25 ° C. (g/cc):	1.24
Water Solubility	Insoluble
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition Temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Molecular Weight	No information available

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	None known.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: None under normal use.

Hazardous Polymerization: Not applicable.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

Information on likely routes of exposure

Inhalation Harmful if inhaled.

Eye Contact Contact with eyes may cause irritation.

Skin Contact Prolonged contact may cause redness and irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
trans-Dichloroethylene	= 1235 mg/kg (Rat) Oral LD50 Rat 1235 mg/kg (Source: JAPAN_GHS)	= 5000 mg/kg (Rabbit) Dermal LD50 Rabbit 5000 mg/kg (Source: JAPAN_GHS)	Inhalation LC50 Mouse 21723 ppm 6 h (Source: JAPAN_GHS)
Mineral spirits	-	-	-
Calcium Sulfonate	-	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	IARC Carcinogens	NTP	OSHA - Select Carcinogens
trans-Dichloroethylene	Not listed	Not listed	Not listed
Mineral spirits	Not listed	Not listed	Not listed
Calcium Sulfonate	Not listed	Not listed	Not listed

Sensitization No information available.

Mutagenic effects: No information available.

Reproductive Toxicity No information available.

Developmental Toxicity No information available.

Teratogenic No information available.

Specific target organ systemic toxicity (single exposure) No information available.

Specific target organ systemic toxicity (repeated exposure) May cause disorder and damage to the, Lungs.

Aspiration hazard No information available.

Additional information on toxicological effects

No information available

12. ECOLOGICAL INFORMATION

Components	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
trans-Dichloroethylene	= 135 mg/L LC50	No data	No data
Mineral spirits	No data	No data	No data
Calcium Sulfonate	No data	No data	No data

3.48218% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

Bioaccumulation No information available.

Components	Octanol/water partition coefficient
trans-Dichloroethylene	1.48
Mineral spirits	-
Calcium Sulfonate	-

Mobility: No data available

Ozone: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Take up mechanically and collect in suitable container for disposal.

Components trans-Dichloroethylene
156-60-5

RCRA - Hazardous Constituents - Appendix:	U079
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14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

UN/NA ID Number: UN1950
Proper shipping name: AEROSOLS, NONFLAMMABLE
Hazard class: 2.2
DOT ERG: 126

TDG (CANADA):

UN nr: UN1950
 Proper shipping name: AEROSOLS, NONFLAMMABLE

IMDG/IMO:

UN nr: UN1950
 Proper shipping name: AEROSOLS, NONFLAMMABLE
 Class: 2.2
 EMS: F-D, S-U

IATA/ICAO:

UN nr: UN1950
 Proper shipping name: AEROSOLS, NONFLAMMABLE
 Hazard Class: 2.2
 Maximum quantity for cargo only: 150 kG
 Maximum quantity for passenger: 75 kG

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazard Communication Standard: This product is considered to be hazardous under the OSHA Hazard Communication Standard.

CERCLA/SARA Information:

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes
 Delayed Health (Chronic): Yes
 Flammability: No
 Pressure: Yes
 Reactivity: No

Components	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
trans-Dichloroethylene	1 lb	Not listed	Not listed
Mineral spirits	Not listed	Not listed	Not listed
Calcium Sulfonate	Not listed	Not listed	Not listed

Clean Air and Clean Water Acts:

Components	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
trans-Dichloroethylene	Not listed	Not listed	Not listed	Listed
Mineral spirits	Not listed	Not listed	Not listed	Not listed
Calcium Sulfonate	Not listed	Not listed	Not listed	Not listed

U.S. STATE REGULATIONS (RTK):

Components	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK

trans-Dichloroethylene	Not Listed	Environmental hazard Present	Not Listed	Not Listed	Present
Mineral spirits	Not Listed	Present	Not Listed	1736	Present
Calcium Sulfonate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

California Proposition 65 Status: No components are listed

RCRA Status: Not regulated

CANADIAN REGULATIONS:

Components	CEPA Schedule I	Challenge Substances
trans-Dichloroethylene	Not listed	Not listed
Mineral spirits	Not listed	Not listed
Calcium Sulfonate	Not listed	Not listed

INVENTORY STATUS:

United States TSCA Inventory: This product complies with TSCA

Canada DSL/NDSL Inventory List All components are either on the DSL or the NDSL

16. OTHER INFORMATION

Sources of key data used to compile Material safety data sheets of the ingredients.
the data sheet:

Prepared by: Quaker Chemical Corporation -Safety, Health and Environmental Affairs Group - US

Revision Date: 12/17/2015

Reason for revision: New formulation.

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

End of Safety Data Sheet