

Safety Data Sheet CHEM-CD Part B

ClorDiSys Solutions, Inc.

Safety Data Sheet

Revision Date: 01/02/2019 Date Printed: 01/02/2019 Date Reviewed: 01/02/2019

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name: Chlorine Dioxide Release Material
Chemical Name: Chemical Mixture
Product Use: Various Applications.
Supplier: ClorDiSys Solutions, Inc
 PO Box 549
 Lebanon, NJ 08833

For Chemical Emergency Call PERS (24 Hours/Day, 7 Days/Week):

1-800-633-8253 (Domestic/Canada)

1-801-629-0667 (International)

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS): Combustible Dust

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label Elements, Including Precautionary Statements

Pictogram	None
Signal Word	Warning
Hazard Statement(s)	May form combustible dust concentrations in air
Precautionary Statement(s)	None

Hazards Not Otherwise Classified (HNOC) or Not Covered by GHS: Combustible Dust

NEPA Classification:

Health: 0
Flammability: 0
Instability: 0
Special Hazards: No OSHA Hazards

HMIS Classification:

Health: 0
Flammability: 0
Reactivity: 0

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Synonyms: Vitamin C Sodium Salt
 L(+) – Ascorbic Acid Sodium Salt
Formula: C₆H₇NaO₆
Molecular Weight: 198.11 g/mol
CAS-No. 134-03-2
EC-No 205-126-1

Ingredient	CAS #	EINECS#	Weight in Product %	Notes
(+)-Sodium L-ascorbate	134-03-2	205-126-1	97-100%	None
Proprietary Ingredient 1			<1%	None
Proprietary Ingredient 2			<1%	None
Proprietary Ingredient 3			<1%	None
Proprietary Ingredient 4			<1%	None

Other Information: The percentage by weight values reported for this product represent approximate formulation values

4. FIRST AID MEASURES

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

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Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.
Skin Contact: Wash with soap and water. Get medical attention if irritation persists.
Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in Section 11
Indication of any immediate medical attention and special treatment needed: No data available

5. FIRE FIGHTING MEASURES

Flash Point, C: Not Applicable
Autoignition Temperature, C: Not Applicable
Lower explosive Limit, %: Not Applicable
Upper Explosive Limit, %: Not Applicable
Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire Fighting Procedures: Self-contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:
 Avoid dust formation. Avoid breathing vapors, mist or gas.
 For personal protection see Section 8.
Environmental precautions: Do not let product enter drains.
Methods for cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control Parameters: Contains no substances with occupational exposure limit values.

Exposure Controls:

Appropriate Engineering Controls: General industrial hygiene practice.

Personal Protective Equipment:

Eye/Face Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

<u>Full Contact:</u>	Material:	Nitrile Rubber
	Minimum Layer Thickness:	0.11 mm
	Break Through Time:	480 min
<u>Splash Contact:</u>	Material Tested:	Dermatril® (KCL 740 Aldrich Z677272)
	Material:	Nitrile Rubber
	Minimum Layer Thickness:	0.11 mm
	Break Through Time:	480 min
	Material Tested:	Dermatril® (KCL 740 Aldrich Z677272)

Data Source: KCL GmbH, D-36124 Eichenzell; phone: +49 (0)6659 87300; email:

sales@kcl.de; test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by our customers. It should not be construed as offering an approval for any specific scenario.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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Respiratory Protection: Respiratory protection is not required. Wear protection from nuisance levels of dusts are desired, use type N95 (US) or P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure: Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid (solid crystalline powder).
Color:	No Data Available
Odor:	Odorless
Boiling Point, C:	No Data Available
Melting point:	220 °C (428 °F)
Solubility (in water)	No Data Available
pH:	No Data Available
Flash point:	No Data Available
Evaporation Rate:	No Data Available
Ignition temperature:	No Data Available
Flammability:	May form combustible dust concentrations in air
Vapor Pressure:	No Data Available
Vapor Density:	No Data Available
Relative Density:	No Data Available
Partition coefficient:	No Data Available
n-octanol/water	
Decomposition :	No Data Available
Temperature:	
Viscosity:	No Data Available
Explosive properties:	No Data Available
Oxidizing properties:	No Data Available
Lower explosion limit:	No Data Available
Upper explosion limit:	No Data Available

10. STABILITY AND REACTIVITY

Reactivity:	No data available
Stability Data:	Stable under recommended storage conditions.
Conditions/Hazards to Avoid:	Exposure to light.
Incompatibility (Materials to Avoid):	Strong oxidizing agents, Strong bases.
Hazardous Reactions:	Upon exposure to water vapor, chlorine dioxide gas is released.
Hazardous Decomposition Products:	Hazardous decomposition products formed under fire conditions. Carbon oxides, Sodium/sodium oxides.

11. TOXOLOGICAL INFORMATION

Acute toxicity:	no data available
Irritation and corrosion:	no data available
Sensitization:	no data available
Chronic exposure:	no data available
Signs and Symptoms of Exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Carcinogenicity:	
IARC:	No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
ACGIH:	No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH
NTP:	No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA:	No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA
Potential Health Effects	
Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.

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Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Toxicity	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
Results of PBT and vPvB Assessment	No data available.
Other Adverse Effects	No data available.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

14. TRANSPORT INFORMATION

US Department of Transportation (US-DOT):	Not dangerous goods
International Maritime Organization (IMO):	Not dangerous goods
International Air Transport Association (IATA):	Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards:	No OSHA Hazards
TSCA Status:	On TSCA Inventory
DSL Status:	All components of this product are on the Canadian DSL list.
SARA 302 Components:	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components:	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards:	No SARA Hazards.
Massachusetts Right To Know Components:	No Components Listed.
Pennsylvania Right To Know Components:	Sodium ascorbate, CAS-No.134-03-2.
New Jersey Right To Know Components:	Sodium ascorbate CAS-No.134-03-2.
California Prop. 65 Components:	This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Revision Number:	1/19
Section(s) Revised	Emergency Contact Number
Prepared By:	ClorDiSys Solutions, Inc

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. ClorDiSys Solutions, Inc. assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, ClorDiSys Solutions, Inc. assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

HMIS Rating

Health hazard:	0
Chronic health hazard:	0
Flammability:	0
Physical hazard:	0

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NFPA Rating

Health hazard: 0

Fire hazard: 0

Reactivity hazard: 0