

No-Chlor™

Material Safety Data Sheet

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Product Identification

Product Name: No-Chlor
Synonyms: DeChlorinating Reagent, Vitamin C
Chemical Formula: C₆H₈O₆
Formula Weight: 176.13
Chemical Family: Organic acid
Measurement Technologies Numbers: AA-25, AA-2.0, AA-SM

Hazard Overview

HMIS Rating: 0-1-0B NFPA Rating: None established
Warning Label: Caution. Use safe chemical handling practices. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Use with adequate ventilation. Keep container closed.

Components

Component	CAS #	%
Ascorbic acid	00050-81-7	>95

Physical Data

<u>Boiling Point:</u>	Dec. 218 °C	<u>Specific Gravity:</u>	1.65 Water=1
<u>Melting Point:</u>	192 °C	<u>Evaporation Rate:</u>	NA
<u>Vapor Pressure:</u>	NA	<u>Vapor Density:</u>	NA Air = 1
<u>Solubility:</u>	33 g/100 ml water @25°C		
<u>Appearance and Odor:</u>	Fine white crystals. No odor.		

Fire and Explosion Data

Flash Point: NA Test Method:
Auto-ignition Temperature: NA
Flammable Limits (% by volume in air): Upper: NA Lower: NA
Fire Extinguishing Media:

Water spray, CO₂, dry chemical or foam.

Special Firefighting Procedures:

Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Unusual Fire and Explosion Hazards:

As with most organic solids, combustion is possible at elevated temperatures.

Health Hazard Information

Effects of Overexposure

Skin Contact:

May cause mild irritation

Eye Contact:

May cause mild irritation

Ingestion:

Ingestion of small amounts is not likely to produce harmful effects.

Inhalation:

As with most nuisance dusts, inhalation of large quantities, or prolonged inhalation, may irritate the respiratory system.

Chronic Effects of Overexposure:

None Identified

Exposure Limits:

<u>TWA</u>	OSHA PEL	<u>Ceiling</u>
NE	STEL	NE
	NE	
<u>TWA</u>	ACGIH TLV	<u>Ceiling</u>
NE	STEL	NE
	NE	

Toxicity Data: No information available.

Medical Conditions Generally Aggravated by Exposure: None Identified

Target Organs: None Identified

Reproductive Effects: None Identified No information available.

Carcinogenicity: None Identified

Component	<u>NTP Listing</u>	<u>IARC Listing</u>	<u>OSHA Regulated</u>
Ascorbic acid	No Listing	No Listing	<input type="checkbox"/>

Emergency First Aid ProceduresSkin Contact:

Wash with soap and water. Seek medical attention if irritation develops.

Eye Contact:

Flush eyes with water. If irritation persists, seek medical attention.

Inhalation:

Remove to fresh air.

Ingestion:

Do not induce vomiting. If adverse symptoms develop, seek medical attention.

Additional First aid and Treatment Notes:

No information available.

Reactivity DataStability:

Stable

Hazardous Polymerization:

Will Not Occur

Incompatibles:

Incompatible with strong acids, strong bases and strong oxidizers.

Decomposition Products:

Oxides of carbon (CO, CO2)

Conditions to Avoid:

Exposure to light, air, high temperatures and moisture

Spill and Disposal ProceduresSpill and Leak Procedures:

Remove all ignition sources. Sweep or scoop into disposal container in a manner that minimizes dust dispersion. Wear suitable protective equipment. Flush spill area with water.

Disposal Procedures:

Dispose in accordance with all Local, State and Federal regulations.

Protective EquipmentVentilation:

Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

Respiratory Protection:

None needed unless use generates annoying or irritating dusts, mists or vapors. Use a dust/mist respirator mask if necessary.

Skin and Eye Protective Equipment:

Safety glasses. Use good chemical handling practices.

Storage and Handling PrecautionsStorage Area:

GENERAL

Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Protect containers from physical damage.

Transportation InformationRegulated Material domestic ground transportation (Reference: CFR Title 49, Transportation)

Proper Shipping Name: Non-Hazardous
 UN or NA Identification number:
 Packing Group:

Hazard Class and Label:
 Subsidiary Risk and Label:

Regulated Material via Air Transportation

(Reference: ICAO Technical Instructions for Safe Transport of Dangerous Goods by Air)

Proper Shipping Name: Non-Hazardous
 UN or NA Identification number:
 Packing Group:

Hazard Class and Label:
 Subsidiary Risk and Label:

Regulatory Information

<u>Component</u>	<u>TSCA Inventory</u>	<u>CERCLA RQ</u>	<u>SARA EHS TPQ</u>	<u>SARA 313 Toxic Release de minimus</u>
Ascorbic acid	X		<input type="checkbox"/>	<input type="checkbox"/>
Ascorbic acid	<i>SARA Hazard Categories:</i> Acute <input type="checkbox"/>	Chronic <input type="checkbox"/>	lbs <input type="checkbox"/>	lbs <input type="checkbox"/>
Sodium Ascorbate	<i>Clean Air Act Categories:</i> SOCMI <input type="checkbox"/>	HAP <input type="checkbox"/>	Flammability <input type="checkbox"/>	Reactivity <input type="checkbox"/>
			Volatile HAP <input type="checkbox"/>	Ozone Depleting <input type="checkbox"/>
			Organic HAP <input type="checkbox"/>	

MSDS Revision History:

01Oct08: reviewed no changes
 01Mar03 New Phone number
 26Feb02: Corrected solubility

08Oct01: New address and phone number
 26July2011: reviewed no changes

NE = Not Established, NA = Not Applicable or Not Available

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