

VITA-D-CHLOR™



Manufactured by:
Integra Chemical Co
1216 6th Ave N
Kent WA 98032
253.479.7000

MATERIAL SAFETY DATA SHEET

MSDS Number: V322N, Revision 005

Revision date: 4/8/08

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**24 Hour Emergency Response: CHEMTREC 800-424-9300
(Outside USA: 703-527-3887)**

PRODUCT IDENTIFICATION

Product name: Vita-D-Chlor
Functional use: Dechlorinator
Chemical formula: Proprietary
Chemical family: Organic acid
Product number: V322.50

HAZARD OVERVIEW

HMIS Rating: 0-1-0-B
NPFA: None established

Warning Label: Caution. Use safe chemical handling practices. Keep container closed. Use with adequate ventilation. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

COMPOSITION/INFORMATION ON INGREDIENTS

	ACGIH TLV/TWA	OSHA PEL/TWA
Organic acid	Not listed	Not listed

PHYSICAL DATA

Boiling point:	NA	Vapor density:	NA
Melting point:	192°C	Solubility:	33g/100mL water @25°C
Specific gravity:	1.65 (Water=1)	pH (1% solution):	2 to 3
Evaporation rate:	NA	Appearance:	Odorless, fine white crystals
Vapor pressure:	NA		

FIRE AND EXPLOSION DATA

Flash point: NA
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:

Contact: Contact may cause skin or eye irritation.

Ingestion: No harmful effects expected.

Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.

Chronic effects of overexposure: None identified

Medical conditions aggravated by exposure: None identified

Target organs: None identified

Reproductive effects: None identified

Exposure limits: None established

Toxicity data: No information available

Carcinogenicity: No listings by NTP, IARC, or OSHA

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EMERGENCY FIRST AID PROCEDURES

Skin contact: Wash with soap and water. Seek medical attention if irritation develops.
Eye contact: Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
Inhalation: Remove to fresh air. If adverse symptoms develop, seek medical attention.
Ingestion: If adverse symptoms develop, seek medical attention.

REACTIVITY DATA

Stability: Stable
Hazardous polymerization: Will not occur
Incompatibles: Incompatible with strong acids, strong bases, strong oxidizers
Decomposition products: Oxides of carbon (CO, CO₂)
Conditions to avoid: Exposure to light, air, moisture and high temperatures.

SPILL AND DISPOSAL PROCEDURES

Spill and leak procedures: Sweep or scoop into clean, dry disposal container. Wear protective equipment. Flush spill area with water.
Disposal procedures: Dispose in accordance with all Local, State and Federal regulations.

PROTECTIVE EQUIPMENT

Ventilation: Use adequate general or local exhaust ventilation to keep fume dust levels as low as possible.
Respiratory protection: None needed unless use generates annoying or irritating dusts. Use a dust respirator mask if necessary.
Skin & eye protective equipment: Safety glasses. Use good chemical handling practices

STORAGE AND HANDLING PRECAUTIONS

Storage area: General. Store in a cool, dry area. Keep away from incompatible substances. Protect from direct light and minimize contact with air. Protect containers from physical damage. Keep material dry.

TRANSPORTATION INFORMATION

Material is not regulated via either ground or air transportation.

REGULATORY INFORMATION

TSCA Inventory:	<input checked="" type="checkbox"/>	SARA EHS TPQ:	<input type="checkbox"/>			
CERCLA RQ:	<input type="checkbox"/>	SARA 313 Toxic Release de minimus:				
SARA hazard categories:	Acute	Chronic	Flammability	Pressure	Reactivity	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Clean Air Act categories:	SOCMI	HAP	Volatile HAP	Organic HAP	Ozone depleting	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

FDA Recommended Dietary Allowance for ascorbic acid: 60mg/day
NSF60 Maximum Use: 12mg/L

MSDS Revision History: 005 - Updated header information
001 - Original MSDS
002 - Updated header information
003 - Zip Code Change
004 - Overall review, reformat

NE = Not established; NA = Not applicable or Not available

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