VITA-D-CHLOR™ Original

SAFETY DATA SHEET

Manufactured by:
Integra Chemical Co
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Kent WA 98032
253.479.7000

SDS number: 26643, revision 003
Revision date: June 19, 2020

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

1: IDENTIFICATION

Product name:	Vita-D-Chlor™
Chemical family:	Organic acid
Product number:	All Integra Chemical item numbers beginning with V322.50
Recommended use:	Dechlorination
Restrictions on use:	No information available

2: HAZARDS IDENTIFICATION

OSHA classification:	Not a hazardous substance or mixture
Label elements & precautionary statements:	Not applicable
Hazards not otherwise classified:	None identified

3: COMPOSITION/INFORMATION ON INGREDIENTS

The organic acid contained in this product is not a hazardous material.

4: FIRST AID PROCEDURES

Skin contact:	Wash with soap and water. Seek medical attention if irritation develops.
Eye contact:	Flush eyes with plenty of water. If irritation persists, seek medical attention.
Inhalation:	Remove to fresh air.
Ingestion:	Do not induce vomiting. Rinse mouth. If adverse symptoms develop, seek medical attention.

5: FIRE-FIGHTING MEASURES

Extinguishing media:	Water spray, carbon dioxide, dry chemical, or foam.
Special equipment/precautions:	Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.
Specific hazards:	As with most organic solids, combustion is possible at elevated temperatures.
Hazardous combustion products:	Oxides of carbon (CO, CO_2)

6: ACCIDENTAL RELEASE MEASURES

Spill procedures:	Prevent spread of spill. Wear suitable protective equipment. Sweep or scoop into clean, dry disposal container. Flush spill area with water.

7: HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Contact with strong chlorine solutions will release chlorine gas, a respiratory hazard. Do not mix with chlorine solutions in closed systems or confined spaces.
Storage:	Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Protect from direct light and minimize contact with air.
Incompatible materials:	Incompatible with strong acids, strong bases, strong oxidizers.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH exposure limits:	None established
Engineering controls:	Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible. Contact with strong chlorine solutions will release chlorine gas, a respiratory hazard. Do not mix with chlorine solutions in closed systems or confined spaces.
Respiratory protection:	None needed unless use generates annoying or irritating dusts, mists or vapors. Use a NIOSH approved respirator mask if necessary.
Skin & eye protective equipment:	Safety glasses.

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
Always handle material in accordance with good chemical handling, industrial hygiene, and safety practices

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fine white crystals
Odor:	No odor
Odor threshold:	Not available
pH (1% aqueous solution):	2 to 3

Melting/freezing point:	192°C
Boiling point:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Flammable/explosive Limits:	Upper: Not available, Lower: Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	1.65
Solubility:	33g/100mL water @25°C
Partition coefficient:	Not available
Auto-ignition temperature:	660°C
Decomposition temperature:	218°C
Viscosity:	Not available

10: STABILITY AND REACTIVITY

Reactivity:	No information available
Stability:	Stable
Possibility of hazardous reactions:	Hazardous polymerization will not occur. Contact with strong chlorine solutions will release chlorine gas, a respiratory hazard. Do not mix with chlorine solutions in closed systems or confined spaces.
Conditions to avoid:	Exposure to light, air, moisture and high temperatures
Incompatibles:	Incompatible with strong acids, strong bases, strong oxidizers
Decomposition products:	Oxides of carbon (CO, CO_2)

11: TOXICOLOGICAL INFORMATION

Effects of overexposure:

Inhalation:	Inhalation may irritate the nose, throat and upper respiratory tract.
Skin contact:	Excessive contact may cause skin irritation.
Eye contact:	Contact may cause eye irritation.
Ingestion:	Ingestion of small amounts is not likely to produce harmful effects.
Chronic effects:	Chronic ingestion of large quantities may cause gastrointestinal effects including nausea, diarrhea, urine acidification, oxalate and uric crystallization in the bladder and kidneys, decreased reaction times, psychomotor coordination.
Target organs:	None identified
Additional effects:	No information available
Reproductive effects:	None identified
Carcinogenicity:	No listings by NTP, IARC, or OSHA
Toxicity data:	LD50 (oral, rat) 11,900 mg/kg

12: ECOLOGICAL INFORMATION

No information available

13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14: TRANSPORTATION INFORMATION

Material is not classified as a dangerous good via either ground or air transportation.

15: REGULATORY INFORMATION

All components are listed in the United States TSCA inventory.
This product is not controlled under WHMIS

16: OTHER INFORMATION

FDA Recommended Dietary Allowance for ascorbic acid: 60mg/day
NSF60 maximum use: 12mg/L