

Safety Data Sheet



Revision Date 16-Sep-2014
Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name PREKLEEN ENZYME SOIL LIFTER
Product code W.20323

Manufacturer Chemspec
 901 North Newkirk Street
 Baltimore, MD 21205

Emergency telephone number Chemtrec: 1-800-424-9300 for US
 +1 703-527-3887 outside US

2. Hazards identification

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Potential Health Effects

Acute toxicity

Eyes

May cause eye irritation.

Skin

May cause skin irritation.

Inhalation

May be harmful if inhaled. May cause irritation of respiratory tract.

Ingestion

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

Chronic Effects

No known effect based on information supplied.

Aggravated Medical Conditions

Preexisting eye disorders. Skin disorders. Respiratory disorders.

Environmental hazard

See Section 12 for additional Ecological Information.

3. Composition/information on ingredients

Component	CAS-No	Weight %
Tetrasodium Pyrophosphate 7722-88-5 (1-10)	7722-88-5	1-10
CELLULOSE 9004-34-6 (0.1-1)	9004-34-6	0.1-1
Titanium dioxide 13463-67-7 (<0.1)	13463-67-7	<0.1
CLAY (KAOLIN) 1332-58-7 (<0.1)	1332-58-7	<0.1

4. First aid measures

General advice Show this material safety data sheet to the doctor in attendance.

Eye contact Remove contact lenses.

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Skin contact	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
Inhalation	Move to fresh air.
Ingestion	Gently wipe or rinse the inside of the mouth with water.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Flammable Properties	Not flammable.
Flash point	Not determined. Not Determined
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions	Use personal protective equipment.
Environmental precautions	No special environmental precautions required.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

7. Handling and storage

Advice on safe handling	Wear personal protective equipment.
Technical measures/Storage conditions	Use only in area provided with appropriate exhaust ventilation. Keep tightly closed in a dry and cool place.

8. Exposure controls/personal protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico
Tetrasodium Pyrophosphate 7722-88-5		(vacated) TWA: 5 mg/m ³	TWA: 5 mg/m ³	
CELLULOSE 9004-34-6	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ (vacated) STEL: 10 mg/m ³	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust TWA: 1 mg/m ³	TWA: 10 mg/m ³ STEL: 20 mg/m ³
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³	TWA: 10 mg/m ³ STEL: 20 mg/m ³

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CLAY (KAOLIN) 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust	TWA: 10 mg/m ³ STEL: 20 mg/m ³
Component	British Columbia	Alberta	Quebec	Ontario TWAEV
Tetrasodium Pyrophosphate 7722-88-5 (1-10)			TWA: 5 mg/m ³	TWA: 5 mg/m ³
CELLULOSE 9004-34-6 (0.1-1)	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³
Titanium dioxide 13463-67-7 (<0.1)	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³
CLAY (KAOLIN) 1332-58-7 (<0.1)	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 5 mg/m ³	TWA: 2 mg/m ³

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

- Hand Protection** Rubber/latex/neoprene or other suitable chemical resistant gloves
- Eye/Face Protection** No special protective equipment required.
- Skin and body protection** No special protective equipment required.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures When using, do not eat, drink or smoke.

9. Physical and chemical properties

Physical state Solid
Appearance Powder
Odor Citrus
Color Off-white

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	9.2	
Boiling point/boiling range		
Flash Point	Not Determined	
Evaporation rate	no data available	
Explosion Limits		
upper	Not Determined	
lower	Not Determined	
Vapor pressure	no data available	
Vapor density	no data available	
Specific Gravity	no data available	
Viscosity, kinematic	no data available	
Water solubility	completely soluble	
Partition coefficient: n-octanol/water	no data available	
Explosive properties	no data available	

Other information
Volatile organic compounds (VOC) content <2%
Melting/freezing point

10. Stability and reactivity

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Stability/Reactivity	Stable under normal conditions.
Incompatible products	Strong acids. Strong oxidizing agents.
Conditions to Avoid	Avoid dust accumulation in enclosed space.
Hazardous Decomposition Products	Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

Acute toxicity

Product Information The product itself has not been tested.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tetrasodium Pyrophosphate	2000 mg/kg (Rat)		
CELLULOSE			5800 mg/m ³ (Rat) 4 h
Titanium dioxide	10000 mg/kg (Rat)		

Chronic toxicity

Chronic toxicity No information available

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

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
CELLULOSE		Group 1	Known	X	
Titanium dioxide		Group 2B		X	

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects Eyes Respiratory system Skin

12. Ecological information

Ecotoxicity

No data is available on the product itself.

Persistence and degradability No data are available on the product itself.

Bioaccumulation No information available.

Mobility No information available.

13. Disposal considerations

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

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Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT Not regulated

MEX Not regulated

15. Regulatory information

International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
NZIoC	Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
 "-" - Unknown. Not listed.

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric acid	5000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

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Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Phosphoric acid	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
CELLULOSE	Carcinogen
Titanium dioxide	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Tetrasodium Pyrophosphate	X	X	X		
CELLULOSE	X	X	X	X	
CLAY (KAOLIN)	X	X	X		

International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials
Non-controlled



16. Other information

NFPA	Health Hazard 1	Flammability 0	Stability/Reactivity 0	Physical and chemical hazards -
HMIS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal protection -

Prepared By Chemspec Regulatory Affairs/Product Safety

Revision Date 16-Sep-2014
Revision Note No information available.

Legend:
NIOSH IDLH: Immediately Dangerous to Life or Health

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet