Safety Data Sheet

Revision Date 18-Sep-2014
Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name **Enz-All**
Product code **W.20461**
Recommended Use Professional Carpet Cleaning

Manufacturer
Chemspec
901 North Newkirk Street
Baltimore, MD 21205

Emergency telephone number
Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

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

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 %
Sodium carbonate 497-19-8 (10-30)	497-19-8	10-30
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 (0.1-1)	13463-67-7	0.1-1
CLAY (KAOLIN) 1332-58-7 (<0.1)	1332-58-7	<0.1

4. First aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Allergic symptoms may develop within 12 hours after exposure.
.

Notes to physician Treat symptomatically.

5. Fire-fighting measures

Flammable Properties Not flammable.

Flash point 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 Ensure adequate ventilation.

Environmental precautions Try to prevent the material from entering drains or water courses.

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 Handle in accordance with good industrial hygiene and safety practice.

Technical measures/Storage conditions Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed in a dry and well-ventilated 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/m³	TWA: 5 mg/m³	
CELLULOSE 9004-34-6	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ (vacated) STEL: 10 mg/m³	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust TWA: 1 mg/m³	TWA: 10 mg/m³ STEL: 20 mg/m³
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³	TWA: 10 mg/m³ STEL: 20 mg/m³

CLAY (KAOLIN) 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust	TWA: 10 mg/m³ STEL: 20 mg/m³

Component	British Columbia	Alberta	Quebec	Ontario TWAEV
Tetrasodium Pyrophosphate 7722-88-5 (1-10)			TWA: 5 mg/m³	TWA: 5 mg/m³
CELLULOSE 9004-34-6 (0.1-1)	TWA: 10 mg/m³ TWA: 3 mg/m³	TWA: 10 mg/m³ TWA: 5 mg/m³	TWA: 10 mg/m³ TWA: 5 mg/m³	TWA: 10 mg/m³
Titanium dioxide 13463-67-7 (0.1-1)	TWA: 10 mg/m³ TWA: 3 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³
CLAY (KAOLIN) 1332-58-7 (<0.1)	TWA: 2 mg/m³	TWA: 2 mg/m³	TWA: 5 mg/m³	TWA: 2 mg/m³

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 Showers
Eyewash stations
Ventilation systems.

Personal Protective Equipment

Hand Protection Rubber/latex/neoprene or other suitable chemical resistant gloves

Eye/Face Protection Safety glasses with side-shields. Goggles.

Skin and body protection Wear suitable protective clothing.

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 Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical state Solid
Appearance Powder
Odor Downey-like
Color Off-white

Property	Values	Remarks • Methods
pH	10.9	(as 1% solution)
Boiling point/boiling range	Not Applicable	
Flash Point	Not Determined	
Evaporation rate	no data available	
Explosion Limits		
upper		
lower		
Vapor pressure	no data available	
Vapor density	no data available	
Specific Gravity	no data available	
Viscosity, kinematic	no data available	
Water solubility	Miscible	
Partition coefficient: n-octanol/water	no data available	
Explosive properties	no data available	

Other information

Volatile organic compounds (VOC) content <2%

Melting/freezing point

Freezing Point Not Applicable

10. Stability and reactivity

Stability/Reactivity Stable under recommended storage conditions.

Incompatible products Strong oxidizing agents. Strong acids.

Conditions to Avoid None known based on information supplied.

Hazardous Decomposition Products Sulfur oxides. Carbon monoxide, carbon dioxide and unburned hydrocarbons (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
Sodium carbonate	4090 mg/kg (Rat)		2300 mg/m³ (Rat) 2 h
Tetrasodium Pyrophosphate	2000 mg/kg (Rat)		
CELLULOSE			5800 mg/m³ (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

.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms	Toxicity to other organisms
Sodium carbonate		LC50: 96 h Lepomis macrochirus 300 mg/L static LC50: 96 h Pimephales promelas 310 - 1220 mg/L static	EC50: 48 h Daphnia magna 265 mg/L		

Persistence and degradability No information available.

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.

Contaminated packaging Do not re-use empty containers.

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/NDSL - 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	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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
D2B Toxic materials

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 18-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