

EcoLube Recovery
Clinoptilolite Zeolite
Safety Data Sheet

Section 1, Identification:

Product	Clinoptilolite Natural Zeolite	Sodium-Calcium Aluminosilicate Absorbent/Adsorbent
	CAS No. 12173-10-3	
Company:	EcoLube Recovery 11535 N Force Ave. Portland, OR 97217	Phone: 833-326-5823 Website: www.ecoluberecovery.com

24-Hour Emergency Telephone Numbers:

Spill, Leak, Fire or Accident, Call CHEMTREC: (800) 424-9300 (North America)

American Association of Poison Control: (800) 222-1222 (North America)

Date Prepared: Date Revised: March
April 4, 2016 26, 2018

Section 2, Hazard(s) identification:

Regulation (EU) No 1272/2008

GHS regulations: Not classified as hazardous.

CLP regulation: Not classified as hazardous.

Directive 67/548/EEC: Not applicable

Directive 1999/45/EC: Not applicable

Classification system: The classification is according to the latest editions of the EU-lists.
Classification is in accordance with the latest editions of
international substances lists and is supplemented by information
from technical literature.

Label elements:

Regulation (EC) No 1272/2008: Not regulated

Hazard pictogram: Not regulated

Signal word: Not regulated

Hazard determining components: None

Hazard statements: Not regulated

NFPA Hazard Rating (Scale 0 to 4)	
Health	0, no precaution necessary
Flammability	0, not combustible
Reactivity	0, not reactive with water
Special	none

HMIS Hazard Rating (Scale 0 to 4)	
Health	0, no significant health risk
Flammability	0, not combustible
Reactivity	0, not reactive

Section 3, Composition/information on ingredients:

Chemical and common name	Weight %	CAS Registry	EINECS
Clinoptilolite Zeolite	80 – 98	12173-10-3	215-283-8
Water	2 – 20	7732-18-5	231-791-2

Boiling Point: Not Applicable
Vapor Pressure (mm Hg.): Not Applicable
Vapor Density: Not Applicable
Specific Gravity (H₂O = 1): 2.2-2.4
Melting point: 1800 F°
Evaporation Rate: Not Applicable
Solubility in Water: 0
Appearance and Odor: Finely ground powder or granulated material. Off-white in color

Section 4, First-aid measures:

General:	No special measures required.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Clean with water and soap. If skin irritation is experienced, consult a doctor.
After eye contact:	Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Rinse out mouth and then drink plenty of water. Do not induce vomiting. Treat symptomatically.

Section 5, Fire-fighting measures:

Suitable extinguishing media:	non-combustible
Extinguishing media:	Compatible with all extinguishing media
Unusual hazards:	none
Unusual fire or explosion hazards:	none

Section 6, Accidental release measures

Suitable extinguishing media:	non-combustible
Extinguishing media:	Compatible with all extinguishing media
Unusual hazards:	none
Unusual fire or explosion hazards:	none

Section 7, Handling and storage:

Safe handling:	Avoid contact with eyes, skin, and clothing. Avoid generating and inhalation of dust
Safe storage:	No special requirements

Section 8, Exposure controls/personal protection:

Limit values:	Does not contain relevant quantities of materials with critical values that need to be monitored in the workplace.
DNEL:	No further information available.
DNEC:	No further information available.
General protection: and Eye protection:	Use in a well ventilate workplace. Avoid generating contacting dust. Wear safety glasses.
Respiratory protection: approved	Not necessary in well-ventilated area. NIOSH respirator in poorly ventilated areas.
Skin protection:	Wear protective gloves against mechanical hazards according to NIOSH or EN 388.
Body protection:	Not required under normal use conditions.

Section 9, Physical and chemical properties:

Appearance:	off-white in color, darker when wet, powder and granule
Odor:	Odorless
Odor threshold:	Not determined
pH values:	Slightly alkaline
Melting point/melting range:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Not applicable. Will not burn
Evaporation rate:	Not applicable; does not evaporate
Flammability (solid, gas):	Not flammable
Danger of explosion:	Does not present and explosive hazard
Vapor density:	Does not apply. Does not evaporate
Relative density:	55 lb/cu ft

Water Solubility:	Water Insoluble
Alcohol Solubility:	Alcohol Insoluble
Partition coefficient:	Not applicable (insoluble in n-octanol and water)
Auto ignition temperature:	Will not auto ignite
Decomposition temperature:	Not determined
Viscosity:	Not applicable - solid

Section 10, Stability and reactivity:

Chemical stability:	Stable if used as intended.
Thermal stability:	Stable if used as intended.
Hazardous reaction:	Possibility of hazardous reaction with strong acids and strong alkali.
Conditions to avoid:	No further information available.
Materials to avoid:	Strong acids and strong bases.
Hazardous decomposition:	No further information available.

Section 11, Toxicological information:

Toxicological:	Based on our experience, when used and handled according to instructions, the product does not have any harmful effects.
Sensitization:	No sensitizing effects known.
General EU Guidelines:	Not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
NTP:	Not listed in the National Toxicological Program Report on Carcinogens, 2011.
IARC:	International Agency for Research on Cancer MONOGRAPHS VOLUME 68: clinoptilolite cannot be evaluated as to the carcinogenicity to humans (Group 3).

Section 12, Ecological information:

Toxicity:	No known toxicity to plants or animals.
Environmental fate:	Inorganic material does not decompose and is not eliminated from environment by means of biological cleaning processes.
Bioaccumulation:	Does not bio-accumulate in animal or plants.
Mobility in soil:	Not mobile.

Section 13, Disposal considerations:

Classification:	Not a RCRA Hazardous Waste.
Disposal method:	Small uncontaminated quantities can be disposed of with household waste. Dispose in accordance with federal,

state (provincial), and local regulations.

Section 14, Transport information:

UN Number:	DOT, ADR, ADN, IMDG, IATA:	Not Regulated
UN Proper Shipping Name:	DOT, ADR, ADN, IMDG, IATA:	Not Regulated
Transport Hazard Class:	DOT, ADR, ADN, IMDG, IATA:	Not Regulated
Packing Group:	DOT, ADR, IMDG, IATA:	Not Regulated
Marine pollutant:	No	
Proper shipping name:	Non-Hazardous for Transport	
Hazard Symbol:	None required	
Hazard Id Number (HIM):	None.	
NMFC	48515	

Section 15, Regulatory information:

United States

SARA 355:	Extremely hazardous substances: None of the ingredient listed. SARA 313: Specific toxic chemical listings: None of the ingredients listed. TSCA: All of the ingredient are listed.
California Prop 65:	Known to cause cancer: None of the ingredients is listed. Known to cause reproductive toxicity: None of the ingredients is listed. Known to cause developmental toxicity: None of the ingredients is listed.
Carcinogen categories: EPA	None of the ingredients is listed.
IARC	None of the ingredients is listed.
TLV by ACGHI	None of the ingredients is listed.
NIOSH-Ca	None of the ingredients is listed.

Canada:

Domestic Substances List (DLS)	All ingredients are listed.
Ingredients Disclosure List (limit .1%)	None of the ingredient is listed.
Ingredients Disclosure List (limit 1%)	None of the ingredient is listed.

REACH, Article 57:

Substances of very high concern:	None of the ingredient are listed.
Chemical Safety Assessment:	A Chemical Safety Assessment has not been concluded.

Section 16, Other information:

Safety Data Sheet:	
Approved by:	A. DeVita
Date:	March 26, 2018