

**Ida-Ore Zeolite, LLC
Clinoptilolite Zeolite
Safety Data Sheet**



Section 1, Identification:

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|------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Product | Clinoptilolite Natural Zeolite | Sodium-Calcium Aluminosilicate |
| | CAS No. 1318-02-1 | |
| Company: | Ida-Ore Zeolite, llc 914 S McDermott Rd Nampa, ID 83687 | Phone: 208-515-6966 Fax: 208-893-9700 Website: www.ida-ore.com |
| Contact for Technical Information | Operations Manager (208)-515-6966 | Email at: info@ida-ore.com |
| 24 hr Emergency telephone | (208)-941-6074 | |
| Date Prepared: January 11, 2012 | Date Revised: April 4, 2016 | |

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)

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|--------------|----------------------------|
| Health | 0, no precaution necessary |
| Flammability | 0, not combustible |
| Reactivity | 0, not reactive with water |
| Special | none |

HMIS Hazard Rating (Scale 0 to 4)

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| Health | 0, no significant health risk |
| Flammability | 0, not combustible |
| Reactivity | 0, not reactive |

Section 3, Composition/information on ingredients:

| <u>Chemical and common name</u> | <u>Weight %</u> | <u>CAS Registry</u> | <u>EINECS</u> |
|---------------------------------|-----------------|---------------------|---------------|
| 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:

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| 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:

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| 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

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|------------------------------------|-----------------------------------------|
| 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:

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| 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:

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| 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: | Use in a well ventilate workplace. Avoid generating and contacting dust. |
| Eye protection: | Wear safety glasses. |
| Respiratory protection: | Not necessary in well-ventilated area. NIOSH approved 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:

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| 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:

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| 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:

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| 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:

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| 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:

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| 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:

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| 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

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| 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:

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| 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:

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| 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:

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| Safety Data Sheet: | |
| Approved by: | A. DeVita |
| Date: | April 4, 2016 |