

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer** Next Filtration Technologies Inc., [www.nextfiltration.com](http://www.nextfiltration.com)  
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**Telephone** 800-783-0310 **Fax** 815-717-9334

**Product Name** NextSand I.D. Clinoptilolite – Natural Zeolite

**Recommended Use** Water Filtration

**Restrictions on Use** None

**Emergency Contact / Number** 800-783-0310- Ext. 101

**SECTION 2: HAZARD IDENTIFICATION**

Regulation (EU) No 1272/2008

GHS Regulations: Not classified as hazardous.

CLP: 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 and extended by company literature data. The 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  
NFPA Hazard Rating (Scale 0 to 4)

Health (Blue) 0 No precaution necessary.  
Flammability (Red) 0 Noncombustible.  
Reactivity (Yellow) 0 Not reactive when mixed with water.  
Special (White) None



PBT and vPvB Assessment: PBT Not applicable.  
vPvB Not applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name	CAS#	Component Percent
Clinoptilolite (natural zeolite)	12173-10-3	90 – 97%
Water	7732-18-5	3-10%

Dangerous components: None in reportable levels

**SECTION 4: FIRST AID MEASURES**

<b>General:</b>	No special measures required
<b>Eye Contact</b>	Flush eyes with clean, lukewarm water for at least 15 minutes while holding eyelids open. Remove contacts. Get medical attention if irritation persists.
<b>Skin Contact</b>	Wash affected area with mild soap and water then rinse with water. Get medical attention if skin irritation occurs.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth and drink 1-2 glasses of water to dilute. Get medical attention.
<b>Inhalation</b>	Remove to fresh air and seek medical attention if adverse effects are observed.

**SECTION 5: FIREFIGHTING MEASURES**

<b>Suitable and Unsuitable Extinguishing Media</b>	Noncombustible
<b>Specific Hazards Arising from the Chemical</b>	None
<b>Specific Protective Equipment and Precautions for Fire-Fighters</b>	Compatible with all extinguishing media

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**See Section 8 for personal protective gear.**

<b>Personal Precautions</b>	Avoid dust
<b>Environmental Precautions</b>	No special measures required
<b>Methods for Cleaning Up</b>	Pick up mechanically and place in a suitable container. Avoid generating dust

**SECTION 7: HANDLING AND STORAGE**

**See Section 8 for personal protective gear.**

<b>Safe Handling</b>	Avoid contact with skin, eyes and clothing. Avoid generating and breathing dust.
<b>Safe Storage</b>	No special requirements.

**SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**

<b>Limit values:</b>	Does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.
<b>Eye Protection</b>	Wear safety glasses
<b>Skin Protection</b>	Wear protective gloves against mechanical hazards according to NIOSH or EN 388
<b>Respiratory Protection</b>	Respiratory not normally needed. Maintain good ventilation or air flow. Use a respirator in areas where the exposure is unknown or above OSHA or ACGIH limits.
<b>DNEL:</b>	No further information available.
<b>DNEC:</b>	No further information available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Light gray to light green solid (granules and powders).
<b>Odor threshold:</b>	Not determined
<b>Odor:</b>	Odorless.
<b>pH Values:</b>	Not applicable
<b>Change in condition:</b>	Melting point/melting range: Not determined Boiling point/ boiling range: Not determined
<b>Flash point:</b>	Not determined
<b>Evaporation point:</b>	Not applicable; does not evaporate.
<b>Flammability (solid, gas):</b>	Not flammable Upper/lower limits: Not applicable
<b>Danger of explosion</b>	Does not present and explosive hazard. Upper/lower limits: Not applicable
<b>Vapor density:</b>	Does not apply. Does not evaporate
<b>Relative density:</b>	Not determined
<b>Solubility:</b>	Water Insoluble Alcohol Insoluble
<b>Partition coefficient:</b>	Not applicable (insoluble in n-octanol and water)

<b>Auto ignition temperature:</b>	Will not auto ignite.
<b>Decomposition temperature:</b>	Not determined.
<b>Viscosity:</b>	Not applicable – solid.

**SECTION 10: STABILITY AND REACTIVITY**

<b>Thermal Stability</b>	Stable at normal storage and use conditions.
<b>Chemical Stability</b>	Stable at normal storage and use conditions.
<b>Possibility of Hazardous Reactions</b>	Strong acids and strong alkali could cause hazardous reactions.
<b>Conditions to Avoid</b>	No further information available.
<b>Incompatible Materials</b>	Strong acids and strong bases.
<b>Hazardous Decomposition Products</b>	No further information available.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Toxicological:</b>	When used and handled according to instructions, the product does not have any harmful effects based upon our experience.
<b>Sensitization:</b>	No sensitizing effects known.
<b>General EU Guidelines:</b>	Not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
<b>NTP</b>	Not listed in the National Toxicological Program Report on Carcinogens, 2011.
<b>IARC</b>	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**

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

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Classification:</b>	Not a RCRA Hazardous Waste
<b>Disposal method:</b>	Dispose of in accordance with local, state/province, and federal environmental regulations.

**SECTION 14: TRANSPORT INFORMATION**

<b>UN Number:</b>	DOT, ADR, ADN, IMDG, IATA:	Not Regulated
<b>Un Proper Shipping Name:</b>	DOT, ADR, ADN, IMDG, IATA:	Not Regulated
<b>Transport Hazard Class:</b>	DOT, ADR, ADN, IMDG, IATA:	Not Regulated
<b>Packing Group:</b>	DOT, ADR, IMDG, IATA:	Not Regulated
<b>Marine Pollutant:</b>	No.	
<b>Proper shipper name:</b>	Non-Hazardous for Transport.	
<b>Hazard Symbol:</b>	None required.	
<b>Hazard Id Number (HIM)</b>	None.	

**SECTION 15: REGULATORY INFORMATION****United States**

<b>SARA 355:</b>	Extremely hazardous substances:	None of the ingredient listed.
<b>SARA 313:</b>	Specific toxic chemical listings:	None of the ingredient listed.
<b>TSCA Status</b>	All ingredients are listed.	
<b>California prop 65:</b>	Known to cause cancer:	None of the ingredient listed.
	Known to cause developmental toxicity:	None of the ingredient listed.
	Known to cause reproductive toxicity:	None of the ingredient listed.
<b>Carcinogen categories:</b>	EPA	None of the ingredient listed.
	IARC	None of the ingredient listed.
	TLV by ACGHI	None of the ingredient listed.

<b>Canada</b>	NIOSH-Ca	None of the ingredient listed.
	<b>Domestic Substances List (DLS)</b>	All ingredients are listed.
	<b>Ingredients Disclosure List (limit 0.1%)</b>	None of the ingredient listed.
	<b>Ingredients Disclosure List (limit 1%)</b>	None of the ingredient listed.
<b>REACH, Article 57:</b>	Substances of very high concern (SVHC)	None of the ingredient listed.
<b>Chemical Safety Assessment:</b>		A Chemical Safety Assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

**SDS Sheet approved by management.**

**Disclaimer:** This information on this SDS sheet is believed to be accurate and is the best information available to Next Filtration Technologies, Inc. This document is intended only as a guide to the appropriate precautions for handling NextSand. Next Filtration makes no warranty or merchantability or any other warrant, expressed or implied with respect to the information or the product to which this SDS relates. Users and handlers of this produce should make their own investigations to determine the suitability of the information provided herein for their own purposes.