

CHEM INTERNATIONAL

SAFETY DATA SHEET

Revision date: 04/08/2024

Revision number: 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier**Product Name** Sludge Shark**Recommended use of the chemical and restrictions on use****Recommended Use** Wastewater Treatment.
Uses advised against Please refer to Product Data Sheet if available**Details of the supplier of the Safety Data Sheet****Contact Manufacturer** Chem International
10070-180 Street
Edmonton, AB T5L 5E5**Information Telephone Number** 1-780-483-8827**Emergency Telephone Number** 1-613-996-6666 (CANUTEC)

2. HAZARDS IDENTIFICATION

Classification

Classification of the product is in accordance with 29CFR 1910.1200

Respiratory sensitization	Category 1
Skin sensitization	Category 1

Label elements**Emergency Overview****Danger****Hazard statements**May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction**Appearance** Light brown**Physical State** Immobilized Granulate**Odor** Slight fermentation odor

Precautionary Statements - Prevention

Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling.

Precautionary Statements - Response

Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Skin	Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Ingestion	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements - Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of unused product and container in accordance with all applicable local and regional requirements

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

Health Hazard	1
Fire Hazard	1
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dolomitic Limestone	1317-65-3	40-50%
Polythethylene glycol	25322-68-3	10-15%
Hy-Yeast 412 Powder	Not Applicable	5-10%
Methylene Urea	9011-05-6	5-10%
Viable Bacteria Cultures	Not Applicable	1-5%
Sodium Lignosulfate	8061-51-6	1-5%
Alpha-amylase	9000-90-2	< 0.05%

4. FIRST AID MEASURES

First aid measures

General Advice

If you feel unwell, seek medical advice (show the label if possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children..

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin Contact

Wash off immediately with soap and plenty of water

Inhalation

If symptoms of irritation and/or sensitization occur (shortness of breath, wheezing or laboured coughing) seek medical attention..

Ingestion

Clean mouth with water and afterwards drink plenty of water

Most important symptoms and effects, both acute and delayed

Main Symptoms

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Specific Hazards Arising from the Chemical

No information available

Hazardous Combustion Products

Carbon monoxide. Carbon dioxide (CO₂). Oxide of Nitrogen. Formaldehyde. Sulphur Dioxide.

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, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation

Environmental precautions

Environmental Precautions It is not anticipated to be hazardous for the environment

Methods and material for containment and cleaning up

Methods for Clean-up Pick up and transfer to properly labelled containers

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place

Packaging Material There could be many packaging types for the product. The details are given in other Novozymes documents

Incompatible Materials Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dolomitic Limestone 1317-65-3		TWA: 15 mg/m ³ TWA: 5 mg/m ³	

IDLH: Immediately Dangerous to Life or Health

Appropriate engineering controls

Individual protection measures, such as personal protective equipment

Eye Protection Avoid contact with eyes

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection Do not breathe gas/fumes/vapor/spray. Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practices

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Immobilized Granulate
Appearance	Light brown
Odor	Slight fermentation odor

<u>Property</u>	<u>Values</u>
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	No information available
Water Solubility	No information available
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Viscosity	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available

Other Information

Softening Point	No information available
VOC Content	No information available
Density	No information available

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods.

Incompatible materials

Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eye contact	Contact with eyes may cause irritation
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Ingestion may cause stomach discomfort

Information on toxicological effects

Symptoms	No information available
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause sensitization of susceptible persons.
Mutagenic Effects	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.
Reproductive Effects	No information available
Chronic Toxicity	No information available.
Aspiration hazard	No information available

12. ECOLOGICAL INFORMATION**Ecotoxicity**

None known

Persistence/Degradability

No information available

Bioaccumulation/ Accumulation

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste Disposal Method	Dispose of contents/container in accordance with local regulation
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Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal
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14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
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<u>TDG</u>	Not regulated
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<u>MEX</u>	Not regulated
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<u>ICAO</u>	Not regulated
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<u>IATA</u>	Not regulated
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<u>IMDG/IMO</u>	Not regulated
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<u>RID</u>	Not regulated
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14. TRANSPORT INFORMATION**ADR** Not regulated**ADN** Not regulated**15. REGULATORY INFORMATION****Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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 Hazardous**Categorization**

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

CWA (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

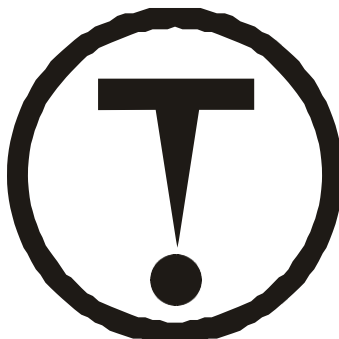
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements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

State Regulations**California Proposition 65**

This product in its present state does not contain any Proposition 65 chemicals

Canada**WHMIS Statement**

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

WHMIS Graphic**WHMIS Hazard Class**

Controlled product hazard class D2 A (respiratory sensitizer)

16. OTHER INFORMATION

Revision date: 04/08/2024

Revision Summary

No information available

Disclaimer

The information provided on this SDS 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. Furthermore, as the conditions of use are beyond the control of Chem international, it is the responsibility of the customer to determine the conditions of safe use of this preparation.

End of SDS