

SAFETY DATA SHEET

Revision date: 2019/05/31

Version No: 3

Compliant with 29 CFR §1910.1200 HCS 2012

Compliant with HPR WHMIS 2015

Grease Guard Herbal

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Grease Guard Herbal
Chemical Name.	Microbial preparation
Declared activity	Bacterial count
Use of the substance/preparation	Drain Care/Drain Treatment
Contact Manufacturer	NOVOZYMES BIOLOGICALS INC 5400 Corporate CircleSalem, VA 24153USA
Information Telephone Number	1-540-389-9361 (work hours)
Emergency Telephone Number	1-800-424-9300 (Chemtrec) 24 hours every day

2. HAZARDS IDENTIFICATION

Classification

Classification of the chemical in accordance with 29CFR §1910.1200

WHMIS Classification

Serious eye damage/eye irritation Category 2

Label elements

Warning

Hazard statements

H319 - Causes serious eye irritation

Precautionary Statements - Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing



Hazards not otherwise classified (HNOC)

Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Sodium nitrate	7631-99-4	10 - 30

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Benzenesulfonic acid, C10-16-alkyl derivs	68584-22-5	1 - 5
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* The exact percentage (concentration) of composition has been withheld as a trade secret

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
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Slightly flammable according to HMIS criteria.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	None.
Hazardous Combustion Products	None.

Specific Hazards Arising from the Chemical May cause allergic respiratory reaction.

Protective Equipment and Precautions for Firefighters Self-contained breathing apparatus and standard turn-out apparel.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	For personal protection see section 8.
Environmental Precautions	Collect spillage.
Methods for cleaning up	Avoid formation of dust and aerosols. Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a HEPA (High Efficiency Particulate Air) filter. Flush remainder carefully with plenty of water. Avoid splashing, high pressure washing or compressed air cleaning to avoid formation of aerosols. Ensure sufficient ventilation. Wash contaminated clothing.
Other Information	For personal protection see section 8.

7. HANDLING AND STORAGE

Handling	Avoid formation of dust and aerosols. Ensure adequate ventilation
Storage Temperature Storage Conditions	Keep tightly closed in a dry and cool place. 10-25 °C (50-77 °F).

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In unbroken packaging - dry and protect from the sun. The product has been formulated for optimal stability. Extended storage or adverse conditions such as higher temperatures or higher humidity may lead to a higher dosage requirement.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas
Maintain good conditions of industrial hygiene. Some processes may require enclosures, local exhaust ventilation, or other engineering controls to control airborne levels. Additional handling and healthy/safety information is available upon request

Personal Protective Equipment

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment that meets HEPA/P100 specifications

Eye Protection

Wear safety glasses with side shields (or goggles)

Skin and body protection

No special technical protective measures are necessary

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquid

Color

Blue-green

Odor

Slight fermentation odor

Odor threshold

No information available

Boiling Point/Range

No information available

Melting Point/Range

No information available

Flash Point

> 100 °C

Freezing point 1

No information available

Flammability (solid, gas)

No information available

Explosive Properties

No information available

Oxidizing Properties

No information available

Autoignition temperature

No information available

Vapor Pressure

No information available

Decomposition temperature

No information available

Vapor Density

No information available

Density (g/ml)

1.09

Evaporation rate

No information available

Solubility

Soluble

Partition Coefficient (n-octanol/water)

No information available

Viscosity

No data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions

Conditions to Avoid

None

Materials to avoid

None

Hazardous Decomposition Products
None

Possibility of hazardous reactions
None

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Chemical name	Acute oral toxicity	Acute inhalation toxicity	Skin corrosion/irritation	Serious eye damage/eye irritation
Sodium nitrate	LD50: > 2000 mg/kg bw (OECD TG 401)	Not available	Not irritating (OECD TG 404)	Irritating
Benzenesulfonic acid, C10-16-alkyl derivs	LD50: 300 -2000 mg/kg bw	No data available	Irritating	Irritating

Chemical name	Specific target organ toxicity (single exposure)	Genetic toxicity	Skin sensitization	Respiratory sensitization
Sodium nitrate			non-sensitising	no data available
Benzenesulfonic acid, C10-16-alkyl derivs	No data available	No data available	No data available	No data available

Carcinogenicity
Contains sodium nitrate: Listed as probable human carcinogen by IARC (Group 2A)

12. ECOLOGICAL INFORMATION

Toxicity

Chemical name	Daphnia, acute	Algae, acute	Fish, acute
Sodium nitrate	EC50 (48h) > 1000 mg/l	EC50 (72 hours): > 100 mg/l	LC0 (96 hours): > 1000 mg/l
Benzenesulfonic acid, C10-16-alkyl derivs	No data available	No data available	No data available

Persistence/Degradability

Chemical name	Persistence and degradability	Partition coefficient (n-octanol/water)
Sodium nitrate	Not applicable	LogPow: <0
Benzenesulfonic acid, C10-16-alkyl derivs	No data available	LogPow: <0

Bioaccumulative Potential

Bioaccumulation is unlikely

Chemical name	Bioaccumulative Potential
Sodium nitrate	Does not bioaccumulate
Benzenesulfonic acid, C10-16-alkyl derivs	Does not bioaccumulate

Mobility in soil
Not relevant

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

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Contaminated Packaging
Dispose of wastes in an approved waste disposal facility.

Environmental hazards
not applicable

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 Novozymes, it is the responsibility of the customer to determine the conditions of safe use of these products.

End of Safety Data Sheet

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3 / ANSI / 2019/06/19