



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name: Sodium Glucoheptonate
CAS #: 31138-65-5
Product Code: 83101,83106
Trade Name: GR-50, GR-50HS, GR-50 Admix, GR-50 Admix
EXP, GR-50 CNF, GR-50 NVM, Enviroquest
50
Chemical Name: Hydroxycarboxylic acid and salt thereof

1.2. Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Chelating agent, cleaning applications, concrete admixtures

1.3. Details of the Supplier of the Safety Data Sheet

Company Name: PMP Fermentation Products, Inc.
900 NE Adams Street
Peoria, Illinois 61603, USA
Telephone: 1-309-637-0400 8 am – 4 pm CST M-F
Fax: 1-309-637-9302
E mail: sales@pmpinc.com

1.4. Emergency Contact

In case of Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC Day or Night
Chemtrec: 1-(800) 424-9300

Section 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Classification under CLP: This product has no classification under CLP

GHS Classification		
<i>Health</i>	<i>Environmental</i>	<i>Physical</i>
No Classification	No Classification	No Classification



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

2.2. Label Elements

GHS Labels; OSHA Labels No pictograms required.

Signal word: None required

Hazard Statement: Not applicable

Precautionary Statement: None

Hazards Not Otherwise Classified: None

2.3. Other Hazards

PBT: This product is not identified as a PBT substance

Hazards Not Otherwise Classified (HNOC):

HMIS Ratings (scale 0-4)

Health – 0 Minimal

Fire - 0 Minimal

Reactivity – 0 Minimal

Section 3: Composition/Information on Ingredients

3.1. Substances

Components		
Chemical Name	CAS #	Content
Sodium Glucoheptonate	31138-65-5	50%
Water	7732-18-5	50%

Section 4: First Aid Measures

4.1. Description of First Aid Measures

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, seek medical attention.



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

- Eyes:** Flush eyes with water lifting upper and lower lids occasionally for 15 minutes. If irritation persists, seek medical attention.
- Ingestion:** Contact physician or Poison Control Center (PCC) immediately. Do NOT induce vomiting unless instructed to do so by a physician or PCC.
- Inhalation:** Move person away from exposure. If having difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration and seek medical attention.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

- Skin:** May cause irritation and redness for susceptible individuals.
- Eyes:** May cause mild irritation. Eyes may water profusely.
- Ingestion:** May cause irritation if large amounts are swallowed. Nausea and stomach pain may occur. There may be vomiting and diarrhea.
- Inhalation:** May cause respiratory irritation in susceptible individuals. May cause shortness of breath, sneezing and coughing.

Delayed/Immediate effects: NA

4.3. Indication of Any Immediate Medical Attention and Special Treatment Need

Immediate/Special Treatment: Eye wash stations should be available

Section 5: Fire Fighting Measures

5.1. Extinguishing Media

Use extinguishing media suitable for surrounding fire.

5.2. Special Hazards Arising from the Substance or Mixture

None known

5.3. Advice for Fire Fighters

Wear suitable protective clothing.

Section 6: Accidental Release Measures



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Wear suitable protective clothing. Refer to section 8.

6.2. Environmental Precautions

Do not discharge into drains or rivers.

6.3. Methods and Material for Containment and Cleaning up

Collect as much as possible for use or disposal in a properly labeled container.
Flush remainder into normal drainage with copious amounts of water.

6.4. Reference to Other Sections

Reference to Other Sections: Refer to sections 8 and 13

Section 7: Handling and Storage

7.1. Precautions for Safe Handling

No special handling required

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Protect material from temperatures under 32°F (0°C)

Suitable Packaging: Plastic drums.

7.3. Specific End Use(s)

Specific End Use(s): No special requirement



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

Section 8: Exposure Controls/Personal Protection

8.1. Control Parameters

None

8.2. Exposure Controls

Hand protection:	Protective gloves
Eye protection:	Safety goggles. Provide eye wash stations
Skin protection:	Protective clothing. Provide safety shower
Environmental:	No special requirement

Section 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

State:	Liquid
Color:	Dark amber to dark brown
Odor:	Ammonia
Odor Threshold:	Not available
pH:	5.5 – 11.0 (@70°F)
Freezing Point:	-4 °F / -20 °C
Boiling Point:	242 °F / 117°C
Flash Point:	Not applicable
Evaporation Rate:	Not available
Flammability:	Not applicable
Upper Explosion Limit:	Not applicable
Lower Explosion Limit:	Not applicable
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	Not available
Solubility in Water:	100%
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Not applicable
Decomposition Temperature:	Not available
Viscosity:	Not available

9.2. Other Information

Other Information: Not applicable



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

Section 10: Stability and Reactivity

10.1. Reactivity

Stable under recommended transport and storage conditions

10.2. Chemical Stability

Stable under normal conditions

10.3. Possibility of Hazardous Reactions

Hazardous reactions will not occur under normal conditions

10.4. Conditions to Avoid

None

10.5. Incompatible Materials

Materials to Avoid: None

10.6. Hazardous Decomposition Products

None

Section 11: Toxicological Information

11.1. Information of Toxicological Effects

This product has not been tested for toxicity. Based on data derived from individual components, the classification criteria are not met. No adverse health effects are expected with intended use and appropriate handling.

Symptoms/Routes of Exposure

Skin Contact: May cause irritation and redness for susceptible individuals.

Eyes: May cause mild irritation. Eyes may water profusely.



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

Ingestion: May cause irritation if large amounts are swallowed. Nausea and stomach pain may occur. There may be vomiting and diarrhea.

Inhalation: May cause respiratory irritation in susceptible individuals. May cause shortness of breath, sneezing and coughing.

Delayed/Immediate effects: Long-term inhalation of excessive dust may cause delayed lung injury.

Carcinogenicity:	Not a carcinogen (IARC, ACGIH, NTP, OSHA)
Mutagenicity:	Not applicable
Teratogenicity:	Not applicable
Reproductive Toxicity:	Not applicable

Section 12: Ecological Information

Based on available data, potential for environmental toxicity is low; however, discharge to the environment should be avoided.

12.1. Ecotoxicity

Product is unlikely harmful to aquatic life.

12.2. Persistence and Degradability

Readily and rapidly biodegradable

12.3. Bioaccumulative Potential

Product does not bioaccumulate

12.4. Mobility in Soil

Accidental spillage may lead to penetration in the soil and groundwater, however; there is no evidence that this would cause adverse ecological effects.

12.5. Results of PBT and vPvB Assessment

This substance is not identified as a PBT substance.

12.6. Other Adverse Effects

Not expected to cause significant environmental impact.



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

Section 13: Disposal Considerations

13.1. Waste Treatment Methods

Disposal Operations: In accordance with applicable regulations. Normally can be flushed down sewers.

Recovery Operations: No information available
Disposal of Packaging: Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licensed contractor.

Section 14: Transport Information

Transport Class: This product does not require a classification for transport. This product is not dangerous, not hazardous, and not restricted for transport by air

US DOT	Not Dangerous Goods
TDG	Not Dangerous Goods
IMDG	Not Dangerous Goods
Marine Pollutant	No
IATA/CAO	Not Dangerous Goods

Section 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture

US Regulations

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



SAFETY DATA SHEET
 US Version HazCom 2012
SODIUM GLUCOHEPTONATE

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Sodium glucoheptonate

CAS-No.
31138-65-5

New Jersey Right To Know Components

Sodium glucoheptonate

CAS-No.
31138-65-5

Rhode Island Right To Know Components

Not Listed

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA

This product is listed on TSCA

International Regulations

Europe

Registered, but not classified as a hazard

Europe Risk Phrases *not classified in Europe*

Europe Safety Phrases *not classified in Europe*

Inventory Listing

Australia	AICS	Yes
Canada	DSL	Yes
Canada	WHMIS	No
China	IECSC	Yes
Europe	EC No	250-480-2
Japan	ENCS	(2) 14-14
Korea	ECL	KE-17662
Philippines	PICCS	Yes

15.2. Chemical Safety Assessment

Chemical Safety Assessment: A chemical safety assessment has not been carried



SAFETY DATA SHEET
US Version HazCom 2012
SODIUM GLUCOHEPTONATE

out for the substance or the mixture by the supplier.

Section 16: Other Information

This safety data sheet is prepared in accordance with OSHA HazCom 2012

Legal Disclaimer: The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, PMP Fermentation Products, Inc. cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.

Revision Date: 03/10/23