

**MATERIAL SAFETY DATA SHEET**

Chemical Name: Sodium Glucoheptonate  
Shipping Name: , SGH50,  
CAS Number: 31138-65-5  
Hazardous Classification: None

ENCEE CHEMICAL SALES	EMERGENCY CONTACTS	DATE:10/16/95
P. O. BOX 39	252-633-5868	
New Bern, NC 28560	252-637-4304	

The information provided herein is compiled from internal reports and data from professional publications. IT IS FURNISHED WITHOUT WARRANTY OF ANY KIND. EXPRESS OR IMPLIED. It is intended in evaluating the suitability and proper use of the material in manufacturing and the development and implementation of safety precautions and procedures.

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**HAZARDOUS INGREDIENTS**

Non Hazardous, this product is a derivative of sugars. It is used as a chelating agent in alkaline solutions.

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**PHYSICAL DATA**

Appearance: dark brown                      pH: 10.5 to 11.5  
Viscosity: about 25cps                      Odor: slight ammonia  
Boiling Point: about 215F                      Melting Point: N/A  
Vapor Density: same as water                      Freezing Point: N/A  
Percent Volatile: 50%                      Vapor Pressure (mm Hg): N/A Evaporation Rate: unknown  
Solubility In Water: infinite  
Specific Gravity (Water = 1) : 1.267

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**FIRE AND EXPLOSION HAZARD DATA**

Flash Point: NA  
Auto Ignition Temperature: NA  
Lower Explosion Limit: NA                      Upper Explosion Limit: NA  
Extinguishing Media:  
     Foam                       Alcohol Foam  
     Dry Chemical                       Water Fog  
     Carbon Dioxide                       Other ( )  
Special Fire Fighting Procedures: None known  
Unusual Fire and Explosion Hazards: None known, this product is a derivative of sugars and will not burn unless completely dehydrated at elevated temperatures.

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**Health Hazards Data**

## ROUTES OF ENTRY

SKIN CONTACT  EYE CONTACT   
INHALATION  INGESTION 

## EFFECTS OF OVER EXPOSURE

Inhalation: NA  
Eye Contact: Burns or irritation  
Skin Contact: Irritation  
Ingestion: Treat the same as sodium hydroxide

## FIRST AID PROCEDURES

Eyes: Wash with water, treat as sodium hydroxide, seek medical attention.  
Skin: Avoid exposure to an open wound, wash with water.  
Ingestion: Treat the same as sodium hydroxide, seek immediate medical attention.  
Inhalation: NA

## Listed As Carcinogen By

National Toxicology NA I.A.R.C. NA  
Program: NA Monographs: NA OSHA: NA

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**REACTIVITY DATA**STABILITY -  Stable  Unstable

Conditions To Avoid: NA

Materials To Avoid: Metals that react with alkalis, such as aluminum, magnesium, and other reactive metals.

Hazardous Decomposition Products: NA

Hazardous Polymerization  Conditions For Polymerization  
 May Occur Will Not Occur

Incompatibility ( Materials to Avoid )

Water Other  
NA NA

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**Spill or Leak Procedures**

Precautions: This should be treated as an alkali.

Clean Up Procedure: Mop up or flush to drain, rinse affected area with water.

Waste Disposal Methods: This is biodegradable. In the event of a major spill, neutralization to a specific pH before disposal. Notify environmental agencies.



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### Special Protection Information

Ventilation Type: NA  
Respiratory Protection: NA  
Protective Gloves: Yes  
Eye Protection: Goggles  
Other Protective Equipment: None required

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### Storage and Labeling

Maximum Storage Temperature: Keep below 212F  
Indoors: NA  
Heated: NA  
Refrigerated: NA  
Outdoors: NA  
Storage Notes: Use standard chemical handling procedures, and avoid excessive heat during storage.

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### Toxicity Data

Oral: None known.  
Dermal: None known.  
Skin Irritation: None known.  
Eye Irritation: Same as sodium hydroxide  
Teratogenicity: None known.

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### Miscellaneous Information

This product should be handled with the normal care that should be used when handling chemicals.