

**MATERIAL SAFETY DATA SHEET**

Chemical Name: Sodium Glucoheptonate  
Shipping Name: Sodium Glucoheptonate, CEE\*QUEST 70-C  
CAS Number: 31138-65-5  
Hazardous Classification: None

ENCEE CHEMICAL SALES      EMERGENCY CONTACTS      DATE:11/4/93  
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: 9.0 to 11.5  
Viscosity: about 75cps @ 20°C      Odor: slight ammonia  
Boiling Point: about 215F              Melting Point: N/A  
Vapor Density: same as water          Freezing Point: N/A  
Percent Volatile: 48%                  Vapor Pressure (mm Hg): N/A Evaporation Rate: unknown  
Solubility In Water: infinite  
Specific Gravity (Water = 1) : 1.279

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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 a mild alkali

### FIRST AID PROCEDURES

Eyes: Wash with water, treat as a mild alkali, seek medical attention.

Skin: Avoid exposure to an open wound, wash with water.

Ingestion: Treat the same as a mild alkali, 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 a mild alkali.

Clean Up Procedure: Mop up or flush to drain, rinse affected area with water. In the event of a significant spill, notify local, State, or Federal environmental officials.

Waste Disposal Methods: This is biodegradable. In the event of a major spill, neutralization to a specific pH before disposal to the sewer is recommended. Notify environmental officials before discharge of any significant amount to the sewer.



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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 Labelling

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 a mild alkali.  
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.