



MATERIAL SAFETY DATA SHEET

SPECIAL PROTECTION INFORMATION

Ventilation Type: NA Respiratory Protection: NA Protective Gloves: Yes Eye Protection: Goggles

Other Protective Equipment: None required

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.

Toxicity Data

Oral: None known. Dermal: None known.

Skin Irritation: None known.

Eye Irritation: Same as a mild alkali.

Teratogenicity: None known.

Miscellaneous Information

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

Product Name: CEE*QUEST 50

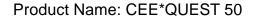


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HEALTH HAZARD DATA
ROUTES OF ENTRY SKIN CONTACT _X
Inhalation: NA Eye Contact: Burns or irritation Skin Contact: Irritation Ingestion: Treat the same as ammonium hydroxide
FIRST AID PROCEDURES Eyes: Wash with water, treat as a mild alkali, seek medical attention. Skin: Avoid exposure to an open wound, wash with water. Ingestion: Treat the same as 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
REACTIVITY DATA
STABILITYX Stable Unstable Conditions To Avoid: NA Materials To Avoid: Metals that react with alkalis, such as aluminum, copper, magnesium and other reactive metals. Hazardous Decomposition Products: NA Hazardous Polymerization Conditions For Polymerization May Occur _X_ Will Not Occur Incompatibility (Materials to Avoid)
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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Chemical Name: Sodium Glucoheptonate

Shipping Name: CEE*Quest 50 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 28563 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.

HAZARDOUS INGREDIENTS

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

PHYSICAL DATA

Appearance: dark brown pH: 9.0 to 10.5

Viscosity: about 25cps

Boiling Point: about 215F

Vapor Density: same as water

Odor: slight ammonia

Melting Point: N/A

Freezing Point: N/A

Percent Volatile: 50% Vapor Pressure (mm Hg): N/A Evaporation Rate: unknown Solubility In Water: infinite

Specific Gravity (Water = 1): 1.2725

FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA

Auto Ignition Temperature: NA

Lower Explosion Limit: NA Upper Explosion Limit: NA

Extinguishing Media:

X Foam ____ Alcohol Foam _X_ Dry Chemical _X_ Water Fog _X_ 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.