

**MATERIAL SAFETY DATA SHEET**

Chemical Name: Carbohydrate Chelate (sodium salt of sugar-acids)
Shipping Name: CEE*QUEST 70E
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

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HAZARDOUS INGREDIENTS

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

PHYSICAL DATA

Appearance: dark brown	pH: 8.0 to 10.5
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: 40%	Vapor Pressure (mm Hg): N/A
Evaporation Rate: unknown	Solubility In Water: infinite
Specific Gravity (Water = 1) : 1.325	

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 carbohydrates 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

REACTIVITY DATASTABILITY - 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

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

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.