Section 1 - General Information
Chemical Name:
N-Glycolyneuraminic Acid
CAS Reg. Number:

Preparation Date/Revision Date:
4/7/2003
Manufacturer's Name:
Toronto Research Chemicals Inc.,
2 Brisbane Rd., North York, ON
Canada, M3J 2J8
Telephone Number:
416-665-9696
Fax Number:
416-665-4439

Section 2 - Hazardous Ingredients/Identity Information
TO THE BEST OF OUR KNOWLEDGE THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. AT THE CURRENT TIME WE ARE UNAWARE OF ANY HAZARDS ASSOCIATED WITH THIS PRODUCT.

Section 3 - Physical/Chemical Characteristics
Boiling Point:
NO DATA
Appearance and Odor:
White Crystalline Solid
Vapor Pressure:
NO DATA
Specific Gravity (H2O=1):
NO DATA
Solubility in Water:
Yes
Melting Point:
112-124°C
Evaporation Rate (ButylAcetate=1):
NO DATA
Vapor Density:
NO DATA

Section 4 - Reactive Data
Stability:
STABLE May decompose at high temperatures
Incompatability (Materials to Avoid):
STRONG OXIDIZING AGENTS
Conditions to Avoid:
Strong Oxidizers
Hazardous Decomposition or Byproducts:
TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES
Hazardous Polymerization:
Will not occur

Section 5 - Control Measures
Respiratory Protection:
Niosh/Msha approved respirator
Ventilation:
HOOD
Protective Gloves:
RUBBER GLOVES
Eye Protection:
SAFETY GOGGLES
Other Protective Clothing:
LAB COAT/APRON
Other Protection:
EYE SAFETY WASH
Section 6 - First Aid Measures

Inhalation:
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

Skin:
IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

Ingestion:
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

Eyes:
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR ATLEAST 15 MINUTES.

Section 7 - Health Hazard Data

Health Hazards (Acute and Chronic):
ACUTE: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. MAY CAUSE EYE AND SKIN IRRITATION.

Medical Conditions Generally Aggravated by Exposure:
TO THE BEST OF OUR KNOWLEDGE THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

Section 8 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOT AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER PICKUP.

Waste Disposal Method:
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRAPPER. OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

Precautions to Be Taken in Handling and Storage:
Store at less than 0 °C, Desiccate, Protect from Light. WASH THOROUGHLY AFTER HANDLING. KEEP TIGHTLY CLOSED. FREEZE.

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media:
WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

Special Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire and Explosion Hazards:
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Section 10 - Transportation Information and regulatory information