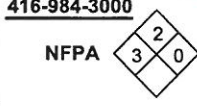


MATERIAL SAFETY DATA SHEET

5100 W. Henrietta Rd.
West Henrietta, NY 14586
TEL: (866) 260-0501

MSDS No. 9712904 9712906
Effective Date: December 1, 2005

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	n-Butyric Acid	<p>416-984-3000</p>  <p>HAZARD RATING Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4</p> <p>WHMIS Health 3 Flammability 2 Reactivity 0</p>
Chemical Synonyms	Butanoic Acid	
Formula	CH ₃ (CH ₂) ₂ COOH	
CAS No.	107-92-6	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Butyric Acid	100%	N/A

WARNING! CORROSIVE! COMBUSTIBLE!

SECTION III PHYSICAL DATA

Melting Point (°C)	-5.2°C	Specific Gravity (H ₂ O = 1)	0.959 @ 20°C
Boiling Point (°C)	163.5°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	0.43 mm @ 20°C	Evaporation Rate (Butyl acetate = 1)	0.06
Vapor Density (Air=1)	3.04		
Solubility in Water	Completely.		
Appearance & Odor	Clear liquid; penetrating and obnoxious odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	72°C CC	Flammable Limits in Air % by Volume	Lower 2%	Upper 10%
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.			

Flammability and Explosion Hazards

Product is combustible. Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.

Auto-ignition temperature: 443°C

TDG Class 8 Corrosive liquid. UN2820

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HS Flam C b.

SECTION V REACTIVITY DATA BB0255

Chemical Stability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under what conditions?
Incompatible with Other products	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May react or be incompatible with oxidizing materials, alkalies.

Hazardous Decomposition Products: These products are carbon oxides. The products of degradation are less toxic than the product itself.

Reactive under what conditions: No additional information.

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Ingestion. Inhalation.
TLV	N/A
Toxicity for animals	N/A
Chronic effects on humans	Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Target organs: Respiratory system, skin, eyes.

Acute effects on humans: Corrosive to the skin and eyes. Liquid or mist may cause tissue damage, particularly to the membranes of the eyes, mouth and respiratory tract. Contact with the skin may cause blisters.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep in a cool place. Ground all equipment containing material. Corrosive materials should be stored in a separate safety storage cabinet or room.
Precautions	Keep away from heat. Keep away from sources of ignition. Do not breathe gas, fumes, vapor or spray. Never add water to this product.
Spill or leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Protective Clothing	Splash goggles. Full suit. Vapor respirator. Gloves. Boots.

SECTION VIII FIRST AID MEASURES

Specific first aid measures: Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.

SECTION IX PREPARATION OF THE MSDS

Rev. No. 4 Date December 1, 2005 Approved Michael Raszeja