



MATERIAL SAFETY DATA SHEET

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West Henrietta, NY 14586
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MSDS No. 9712104
Effective Date: 9712904 9712906
December 1, 2005

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

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

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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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

HS Flam C b.

SECTION V REACTIVITY DATA BB0255

Chemical Stability	Yes X	If no, under what conditions?
	No	
Incompatible with Other products	Yes X	May react or be incompatible with oxidizing materials, alkalies.
	No	

Hazardous Decomposition Products	These products are carbon oxides. The products of degradation are less toxic than the product itself.
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Reactive under what conditions	No additional information.
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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.
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SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
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Storage	Keep in a cool place. Ground all equipment containing material. Corrosive materials should be stored in a separate safety storage cabinet or room.
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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.
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Spill or leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
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Protective Clothing	Splash goggles. Full suit. Vapor respirator. Gloves. Boots.
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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.
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SECTION IX PREPARATION OF THE MSDS

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