

M A T E R I A L S A F E T Y D A T A S H E E T

VIGON INTERNATIONAL INC.
AIRPORT ROAD
EAST STROUDSBURG, PA 18301

| HMIS HAZARD
| CLASSIFICATION
|
| HEALTH = 3
| FLAMMABILITY = 2
| REACTIVITY = 0

FOR CHEMICAL EMERGENCY DURING TRANSPORTATION ONLY

CALL INFOTRAC 1-800-535-5053 WITHIN THE U.S.A.
CALL INFOTRAC 352-323-3500 FOR INTERNATIONAL SHIPMENTS
24 HRS PER DAY, 7 DAYS PER WEEK

I. PRODUCT IDENTIFICATION

ITEM#: B-0176991

PRODUCT NAME: BUTYRIC ACID NATURAL

CAS #: 107-92-6

FORMULA: C H O
4 8 2

II. COMPOSITION OR INFORMATION ON INGREDIENTS

Product and/or component(s) carcinogenic at 0.1% or greater according
to OSHA, IARC, NTP, or Other: NO

III. HAZARD IDENTIFICATION

WARNING! CAUSES SEVERE SKIN AND EYE BURNS.
VAPOR IRRITATING TO THE EYES AND RESPIRATORY TRACT.
COMBUSTIBLE LIQUID AND VAPOR.

POTENTIAL HEALTH EFFECTS...

PRIMARY ROUTES OF EXPOSURE: Eyes, Skin

EFFECTS OF EXPOSURE: May be irritating to the skin and eyes.

Prolonged contact, as with clothing wetted with material, may cause
more severe irritation and discomfort. Vapors or mist, in excess of
permissible concentration, or in unusually high concentration
generated from spraying, heating the material or as from exposure in

poorly ventilated areas or confined spaces, may cause irritation of the throat and nose, headache, nausea and drowsiness.

IV. EMERGENCY AND FIRST AID PROCEDURES

INHALATION EXPOSURE: If headache, irritation, nausea, or drowsiness occurs, remove to fresh air and call a physician.

EYE CONTACT: Remove contact lenses. Flush eyes with cool water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eyes and lids. Call a physician.

SKIN CONTACT: Remove contaminated clothing. Wash skin with mild soap and water. If irritation or any other symptoms occur, call a physician.

INGESTION: If patient is conscious and can swallow, administer water and call a physician or poison control center immediately. Do not induce vomiting.

OTHER INSTRUCTIONS: None.

V. FIREFIGHTING MEASURES

FLASH POINT (CC, F): 170

RECOMMENDED FIRE EXTINGUISHING MEDIA: Carbon-dioxide, foam, or dry chemicals.

RECOMMENDED PROTECTIVE EQUIPMENT FOR FIREFIGHTERS AND SPECIAL PROCEDURES: Use of self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires. Protective clothing is recommended. Prevent contact with skin and eyes. Cool fire exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Avoid heat, sparks, and open flames.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, fumes.

HAZARDOUS POLYMERIZATIONS: None occurs.

VI. ACCIDENTAL RELEASE MEASURES

PROCEDURES IN CASE OF ACCIDENTAL RELEASE, BREAKAGE, OR LEAKAGE: Ventilate area. Avoid breathing vapor. Avoid contact with skin, eyes and clothing. Pressure demand air supplied respirators should always be worn when the airborne concentration of the contaminant or oxygen is unknown. Otherwise, wear NIOSH approved respiratory protection and other personal protective equipment as appropriate for the potential

exposure hazard. Remove any sources of flame or sparks. Contain spill if possible. Absorb spill with vermiculite or other suitable absorbant material. Shovel up material and place in approved disposal container. Dispose of in accordance with current local, state, and federal laws and regulations.

VII. HANDLING AND STORAGE INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid breathing vapors. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

STORAGE: Keep tightly closed. Store in cool dry place.

VIII. EXPOSURE CONTROLS AND PROTECTION INFORMATION

THRESHOLD LIMIT VALUE (TLV): Not established.

OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): Not established.

RESPIRATORY PROTECTION: Usually not required.

VENTILATION: Mechanical (General) - meeting ACGIH standards.

PROTECTIVE GLOVES: Rubber gloves.

EYE PROTECTION: Face shield.

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye wash. Synthetic apron.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless to slightly yellow liquid.

ODOR DESCRIPTION: Rancid, penetrating sour odor.

BOILING POINT: Not applicable

VAPOR PRESSURE (mm Hg @ 20°C): Not applicable

VAPOR DENSITY (AIR = 1): Not applicable

SPECIFIC GRAVITY @ 25 C (WATER = 1): 0.96

SOLUBILITY IN WATER: Soluble

X. STABILITY AND REACTIVITY

CONDITIONS/MATERIALS TO AVOID: Normally stable under proper conditions. Avoid excessive heat, open flames, or other sources of ignition. Avoid contact with strong acids, alkalies, and/or oxidizing agents.

XI. TOXICOLOGICAL INFORMATION

LD 50 ORAL (RAT): 2940 mg/kg
LD 50 INTRAPERITONEAL (MOUSE): 3180 mg/kg
LD 50 SUBCUTANEOUS (MOUSE): 3180 mg/kg
LD 50 INTRAVENOUS (MOUSE): 800 mg/kg
LD 50 DERMAL (RABBIT): 2100 mg/kg

XII. ECOLOGICAL INFORMATION

Not found

XIII. DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

XIV. TRANSPORTATION INFORMATION

TRANSPORTATION BY GROUND, AIR OR VESSEL...
PROPER SHIPPING NAME: BUTYRIC ACID
HAZARD CLASS: 8
IDENTIFICATION NUMBER: UN2820
PACKING GROUP: III
PRIMARY LABEL REQUIRED: CORROSIVE
PRIMARY PLACARD REQUIRED: CORROSIVE
STORAGE SEGREGATION: Usual precautions for combustible liquids.

XV. REGULATORY INFORMATION

This substance contains no materials subject to the reporting requirements of SARA TITLE III SECTION 313.

XVI. OTHER INFORMATION

Containers should be either reconditioned by CERTIFIED firms or properly disposed of by APPROVED firms. Disposal of containers should be in accordance with applicable laws and regulations. "Empty" drums should not be given to individuals. Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive material. Cutting or welding of empty containers may cause fire, explosion, or toxic fumes from residues.

Do not pressurize or expose to open flame or heat. Keep containers closed and drum bungs in place.

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