

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 = 1  
/ REACTIVITY = 0  
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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

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ITEM#: C-00274

PRODUCT NAME: CAPROIC ACID NATURAL (HEXANOIC ACID)

CAS #: 142-62-1

FORMULA: C H O  
6 12 2

II. COMPOSITION OR INFORMATION ON INGREDIENTS

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

III. HAZARD IDENTIFICATION

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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

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**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

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**FLASH POINT (CC, F):** >200

**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

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**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

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**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

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**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

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**APPEARANCE:** Colorless to pale yellow liquid.

**ODOR DESCRIPTION:** Fruity, rancid cheese 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):** 0.93

**SOLUBILITY IN WATER:** Insoluble

#### X. STABILITY AND REACTIVITY

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**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

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LD 50 ORAL (RAT): 3000 mg/kg  
LD 50 ORAL (MOUSE): 5 g/kg  
LD 50 INTRAPERITONEAL (MOUSE): 3180 mg/kg  
LD 50 SUBCUTANEOUS (MOUSE): 3180 mg/kg  
LD 50 DERMAL (RABBIT): 630 mg/kg  
LD 50 DERMAL (GUINEA PIG): 4635 mg/kg

XII. ECOLOGICAL INFORMATION

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Not found

XIII. DISPOSAL CONSIDERATION

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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

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TRANSPORTATION BY GROUND, AIR OR VESSEL....  
PROPER SHIPPING NAME: CORROSIVE LIQUIDS, TOXIC, N.O.S.(CAPROIC ACID)  
HAZARD CLASS: 8  
SUBSIDIARY CLASS: 6.1  
IDENTIFICATION NUMBER: UN2922  
PACKING GROUP: III  
PRIMARY LABEL REQUIRED: CORROSIVE  
SUBSIDIARY LABEL REQUIRED: TOXIC  
PRIMARY PLACARD REQUIRED: CORROSIVE  
SUBSIDIARY PLACARD REQUIRED: TOXIC  
STORAGE SEGREGATION: Usual precautions for combustible liquids.

XV. REGULATORY INFORMATION

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

XVI. OTHER INFORMATION

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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.

**\*\*\* DISCLAIMER \*\*\***

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