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Date Created: 06/27/1996

Product and Company Identification

Product Code:

Product Name: Phytanic Acid Manufacturer Information

Cayman Chemical Company 1180 E. Ellsworth Rd.

Ann Arbor, MI 48108

Emergency Overview:

Flash Pt:

Explosive Limits:

Fire Fighting Instructions:

Hazard Label Information:

Eye Protection:

Protective Gloves:

Explosive Limits:

Solubility in Water: Other Solubility Notes:

Percent Volatile:

Specific Gravity (Water = 1): Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Toxicological Information:

Waste Disposal Method:

UN/NA Number:

Phytanic Acid

Ethyl alcohol US EPA CAA, CWA, TSCA

Phytanic Acid

2. Ethyl alcohol

Hazardous Components (Chemical Name)

Hazardous Components (Chemical Name)

For research use only, not for human or veterinary clinical use.

Company Policy or Disclaimer

DOT Packing Group: Additional Transport Information:

Evaporation Rate (vs Butyl Acetate=1):

Other Protective Clothing:

Company Name: Cayman Chemical Company

Emergency Contact: (800)364-9897 Cayman Chemical Company Information: Cayman Chemical Company (734)971-3335

Chemical Family: Fatty Acids Synonyms: 3,7,11,15-tetramethylhexadecanoic acid

Hazardous Components (Chemical Name) OSHA PEL CAS# ACGIH TLV Other Limits Percentage 14721-86-5 1.0 % No data. Phytanic Acid No data. No data. Ethyl alcohol 64-17-5 99.0 % 8H TWA:1000 ppm 1000 ppm No data. (1900 mg/m3) Hazardous Components (Chemical Name) RTECS # OSHA STEL OSHA CEIL ACGIH STEL ACGIH CEIL Phytanic Acid NA No data. No data. No data. No data. Ethyl alcohol KQ6300000 No data. No data. No data. No data. Hazards Identification

Composition/Information on Ingredients

Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes

Potential Health Effects (Acute and Chronic): The hazards identified with this product are those associated with the solvent(s). Long term repeated oral exposure to ethanol may result in the development of progressive liver

No data available.

injury with fibrosis. Material is irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation.

Repeated exposure may cause skin dryness or cracking. Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect the CNS

system of the fetus, producing a collection of effects which together consitutue fetal alcohol syndrome. These include mental and physical retardation, disturbances of learning, motor and language deficiencies, behavioral disorders and small size head.

The toxicological properties of this compound have not been fully evaluated. Signs and Symptoms Of Exposure: Exposure may cause: Dizziness, drowsiness, headache, nausea, and vomiting. Medical Conditions Generally Aggravated By Repeated exposure to ethanol may aggravate liver injury produced from other causes. Exposure:

First Aid Measures Emergency and First Aid Procedures: If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained

personnel. Get immediate medical attention. If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed

to do so by medical personnel.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel. In case of skin contact, immediately wash skin with soap and plenty of water. Remove

contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. ANSI Z400.1 Format Page: 2 MATERIAL SAFETY DATA SHEET

Phytanic Acid

Supercedes Revision: 06/27/1996 Fire Fighting Measures

LEL: 3.3% at 25.0 C UEL: 19% at 25.0 C As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Note: Flammable as diluted in ethanol. Flammable Properties and Hazards: Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. Container explosion may occur under fire conditions. Emits toxic fumes under fire conditions.

14.00 C Method Used: TCC

Flammable liquid. Vapors can travel to a source of ignition and flash back. carbon dioxide

Hazardous Combustion Products: Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires

involving this material.

Do not reuse this container.

Keep away from sources of ignition.

Unsuitable Extinguishing Media: No data available. Accidental Release Measures Steps To Be Taken In Case Material Is Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Released Or Spilled: After removal, ventilate contaminated area and flush thoroughly with water. Handling and Storage

Wash thoroughly after handling. Precautions To Be Taken in Handling: Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Use with adequate ventilation. Wash thoroughly after handling. Precautions To Be Taken in Storing: Store at correct temperature. Exposure Controls/Personal Protection Protective Equipment Summary - Hazard Eye wash station in work area Lab coat Latex disposable gloves. Safety glasses. Label Information: shower in work area Vent Hood Respiratory Equipment (Specify Type):

Engineering Controls (Ventilation etc.): Work/Hygienic/Maintenance Practices: Do not take internally.

[X] Liquid Physical States: [ ] Gas Melting Point:

**Boiling Point:** No data. Autoignition Pt: No data. Flash Pt: 14.00 C Method: TCC

No data.

safety shower.

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> No data. < 100 ug/ml\* at 25.0 C \*PBS pH 7.2, sol. in EtOH, DMSO, & DMF

N.A. Corrosion Rate: No data Formula: C20H4OO2 Molecular Weight: 312.50 pH: No data. Appearance and Odor: A clear, colorless solution.

Stable [X] Stability: Conditions To Avoid - Instability: No data available. Incompatibility - Materials To Avoid: strong inorganic acids strong oxidizing agents Hazardous Decomposition Or Byproducts: carbon dioxide carbon monoxide

Stability and Reactivity

Hazardous Polymerization: Will occur [ ] Will not occur [ X ] Conditions To Avoid - Hazardous No data available. Polymerization: Toxicological Information

The toxicological effects of this compound have not been thoroughly studied.

No data available. Carcinogenicity/Other Information: Carcinogenicity: OSHA Regulated? No NTP? No IARC Monographs? No 12. Ecological Information Ecological Information: Runoff from fire control or dilution water may cause pollution.

Disposal Considerations

Transport Information

Dispose in accordance with local, state and federal regulations.

Dispose in accordance with local, state and federal regulations.

LAND TRANSPORT (US DOT) DOT Proper Shipping Name: Ethyl alcohol DOT Hazard Class: DOT Hazard Label:

Regulatory Information US EPA SARA Title III Sec.110 Hazardous Components (Chemical Name) Sec.302 (EHS) Sec.304 RQ Sec.313 (TRI)

EPA CAA

MATERIAL SAFETY DATA SHEET

Phytanic Acid

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should

EPA CAA

Other Information

FLAMMABLE LIQUID

14721-66-5

14721-66-5

CAS#

64-17-5 No

64-17-5 No

1170

make their own investigations to determine the suitability of the information for their particular purposes.

EPA CWA NPDES

EPA CWA NPDES

**EPA TSCA** 

EPA TSCA

CA PROP 65

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No data available.

Safety glasses Latex disposable gloves Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a

Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation.

Wash thoroughly after handling. Physical and Chemical Properties No data.

LEL: 3.3% at 25.0 C UEL: 19% at 25.0 C 44.6 MM\_HG at 20.0 C

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