



SIGMA-ALDRICH

Material Safety Data Sheet

Date Printed: 09/19/2012
Date Updated: 08/24/2006
Version 1.60

Section 1 - Product and Company Information

Product Name: Bile acids, conjugated
Product Number: CBA
Brand: Sigma Chemical
Company Address: Sigma-Aldrich, 3050 Spruce Street, SAINT LOUIS, MO 63103 US
Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

Table with 5 columns: Substance Name, CAS #, SARA 313, EC no, Annex I Index Number. Row 1: GLYCOCHOLIC ACID DIHYDRATE, 475-31-0, No, 207-494-9

Formula: C26H43NO6
Synonyms:

Section 3 - Hazards Identification

Emergency Overview: Dangerous for the environment. Toxic to aquatic organisms, may cause longterm adverse effects in the aquatic environment.

HMIS Rating: Health: 0, Flammability: 0, Reactivity: 0

NFPA Rating: Health: 0, Flammability: 0, Reactivity: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A

Extinguishing Media: Suitable. Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Methods for Cleaning Up: Sweep up, place in a bag and hold for waste disposal/Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage: Suitable. Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment: Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand: Protective gloves. Eye: Chemical safety goggles.

General Hygiene Measures: Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance Physical State: Solid

RECEIVED

OCT 22 2012

Safety

Molecular Weight 465 AMU

pH N/A
BP/BP Range N/A
MP/MP Range 170 °C
Freezing Point N/A
Vapor Pressure N/A
Vapor Density N/A
Saturated Vapor Conc. N/A
SG/Density N/A
Bulk Density N/A
Odor Threshold N/A
Volatile% N/A
VOC Content N/A
Water Content N/A
Solvent Content N/A
Evaporation Rate N/A
Viscosity N/A
Partition Coefficient N/A
Decomposition Temp. N/A
Flash Point °F N/A
Flash Point °C N/A

Explosion Limits N/A

Flammability N/A
Autoignition Temp N/A
Optical Rotation Degree of Rotation
+39 - +33 (+/-1)

Solvent: EtOH, dry matter 10 g/l

Solubility
Solvent: 0.1 g/ml MeOH, 20°C, clear, colorless

N/A = not available

Section 10 - Stability and Reactivity

Stability
Stable
Stable.
Materials to Avoid
Strong oxidizing agents

Hazardous Decomposition Products
Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide

Hazardous Polymerization
Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

Route of Exposure
Skin Contact
May cause skin irritation.
Skin Absorption
May be harmful if absorbed through the skin.
Eye Contact
May cause eye irritation.
Inhalation
May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion

May be harmful if swallowed.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: N/A

Section 12 - Ecological Information

No data available.

Additional Results/Data from Relevant Scientific Experiments

Avoid contamination of the environment

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: None
Non-Hazardous for Transport This substance is considered to be nonhazardous for transport.

IATA

Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s
IATA UN Number: 3077
Hazard Class: 9
Packing Group: III

Section 15 - Regulatory Information

EU Additional Classification

Symbol of Danger: N
Indication of Danger
Dangerous for the environment.
Risk Statements R: 51/53
Toxic to aquatic organisms, may cause longterm adverse effects in the aquatic environment.
Safety Statements S: 61
Avoid release to the environment. Refer to special instructions/safety data sheets.

US Classification and Label Text

Indication of Danger
Dangerous for the environment.
Risk Statements
Toxic to aquatic organisms, may cause longterm adverse effects in the aquatic environment.
Safety Statements
Avoid release to the environment. Refer to special instructions/safety data sheets.

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

WHMIS Classification
This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No
NDSL: No

Section 16 - Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SigmaAldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2012 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

RECEIVED

OCT 22 2012

Safety

