

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: Lauric Acid 99% FGK

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION:

TRADE NAME: Lauric Acid 99 % FGK

CAS # 143-07-7

EINECS # 205-582-1

DATE: March 29, 2008

SUPPLIER: LEE H. SMITH AND COMPANY

38 BENEDICT CRESCENT

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EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION	CHEMICAL FORMULA	CAS#	EC#	EC SYMBOL	EC R PHRASES
Dodecanoic Acid	C ₁₂ H ₂₄ O ₂ /CH ₃ (CH ₂) ₁₀ COOH	143-07-7	205-582-1	Not Applicable	Not Applicable

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Special hazards for man and environment: None

PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE:

White or pale yellow solids

ODOR:

Weak characteristic odor

SOLUBILITY:

Soluble in ethanol, ether and most organic solvents

Insoluble in water (20°C)

BOILING POINT, ° CENTIGRADE @ 760 mm Hg

299

MELTING POINT, ° CENTIGRADE

44

FLASH POINT, ° CENTIGRADE-CLEVELAND OPEN CUP

160°C

AUTO-IGNITION, ° CENTIGRADE

>250°C

DENSITY, g/ml@75 °

0.85

VAPOR PRESSURE (mm of Hg@ 131°)

<1.0

VISCOSITY, mPa.s@54°

13.42

% VOLATILES:

Not known

EVAPORATION RATE:

Not known

VAPOR DENSITY:

Not known

FLAMMABLE LIMIT, %

Not known

FIRST AID MEASURES

INGESTION: Rinse mouth, drink plenty of water, see physician.
Do not give anything by mouth to an unconscious person.
EYE CONTACT: Flush with water, take to a doctor if necessary.
SKIN CONTACT: Remove contaminated clothing, flush skin with water or shower,
take to doctor if necessary.
INHALATION: Not relevant.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, carbon dioxide or foam, water spray jet

ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes.
ENVIRONMENT PRECAUTIONS: Do not allow to flow into drainage system.
CLEAN-UP METHODS: Collect leakage in sealable containers.
Soak up with sand or other inert absorbent & remove to safe place.
Wash site with sodium bicarbonate solution or soda ash.
Spillage may be allowed to solidify; then shovel into containers.
Clean up area immediately.

HANDLING AND STORAGE

HANDLING: Avoid open flames.
Use gloves and wear goggle when handling.
Always work safely around open hatches on bulk tanks.
The low density makes flotation difficult for immersed person.
STORAGE: Keep in a cool and dry place, avoid extreme heat and cold.
Store in a clean, dry preferably steel or fiber vessel.
In bulk, store at about 10°C above melting point or at ambient temperature.
Temperature higher than necessary degrades quality at rates dependent on time
and temperature of exposure.

EXPOSURE CONTROL/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:
HAND/SKIN PROTECTION: Wear rubber gloves.
EYE PROTECTION: Wear approved safety goggles and face shield.
EXPOSURE LIMIT: Not applicable
INDUSTRIAL HYGIENE: Normal standard of industrial hygiene to be observed.

STABILITY AND REACTIVITY

STABILITY:

CONDITIONS TO AVOID: Avoid direct fire.

DECOMPOSITION PRODUCTS None known if used for its intended purpose.

DISPOSAL INFORMATION

Disposal method in accordance with all applicable notional environment laws and regulations.

TOXICOLOGICAL INFORMATION

TOXICITY DATA: LD 50 (oral, rat) = 10000 mg/kg

CARCINOGENICITY: None

REPRODUCTIVE EFFECTS: No harmful effects expected

EFFECT OF OVER-EXPOSURE: No harmful effects expected

CHRONIC EFFECTS: No harmful effects expected

TARGET ORGANS: Not Applicable

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No special requirements.

ECOLOGICAL INFORMATION

AQUATIC TOXICITY: Acute fish toxicity: LC 50 > 100 mg product/liter
Acute bacterial toxicity: EC 50 > 100 mg product/liter

BIODEGRADABILITY: Biodegradable

TRANSPORT INFORMATION

Not a hazardous material according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR

REGULATORY INFORMATION

All components of the product are listed on the following inventories:

TSCA (Toxic Substances Control Act)

DSL (Canada)

EINECS/ELINCS (Europe)

AICS (Australia)

HMIS INFORMATION:

Health	1
Flammability	1
Reactivity	0