

MATERIAL SAFETY DATA SHEET

Lee H Smith & Co., LLC

Basking Ridge, NJ 07920 USA
Phone: 908-781-7801
Fax: 908-781-7802
Lizanne@LeeHSmith.com



PRODUCT NAME: Myristic Acid 98% FGK

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION:

TRADE NAME:

CAS # 544-63-8
EINECS # 208-875-2
DATE: March 29, 2008

SUPPLIER: LEE H. SMITH AND COMPANY
38 BENEDICT CRESCENT
BASKING RIDGE, NJ 07920 USA
908-781-7801 PHONE
908-781-7802 FAX

EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION	CHEMICAL FORMULA	CAS#	EC#	EC SYMBOL	EC R PHRASES
Tetradecanoic Acid	C ₁₄ H ₂₈ O ₂ /CH ₃ (CH ₂) ₁₂ COOH	544-63-8	208-875-2	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 Solubility in water 0.02 g/l @ 20°C
BOILING POINT, ° CENTIGRADE @ 760 mm Hg	>300
MELTING POINT, ° CENTIGRADE	54
FLASH POINT, ° CENTIGRADE-CLEVELAND OPEN CUP	175°C
AUTO-IGNITION, ° CENTIGRADE	>250°C
DENSITY, g/ml@75 °	0.85
VAPOR PRESSURE (mm of Hg@ 131°)	<1.01
VISCOSITY, mPa.s@54°	7.48

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

CONDITIONS TO AVOID:	Avoid direct fire.
MATERIALS TO BE AVOIDED:	None known if used for its intended purpose.
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, ADN, 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