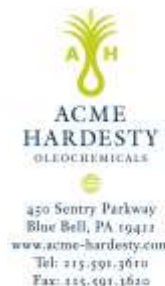


Material Safety Data Sheet



PRODUCT NAME: DISTILLED TALLOW FATTY ACID

IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: DISTILLED TALLOW FATTY ACID
CAS #: 67701-06-8
EINECS#: 2669306
DATE: July 17, 2013

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
FAX: (215) 591 – 3620
EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS NUMBER	(W/W%)	OSHA PEL	ACGIH TLV
Saturated and unsaturated Straight chain aliphatic Monocarboxylic acids	67701-06-8	60-100	No PEL established	No TLV established

Ingredients not precisely identified are proprietary or nonhazardous.
Values are not product specifications.

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

EMERGENCY OVERVIEW:

Color: yellow
Form: Solid @ 20°C
Odor: Faint Odor

INHALATION OR INGESTION MAY CAUSE MUCOUS MEMBRANE IRRITATION.
MAY CAUSE EYE IRRITATION

No toxicity information is available on this specific preparation; this health hazard assessment is based on information that is available on similar preparations.

EYE CONTACT: No May cause eye irritation in man.

SKIN CONTACT: No irritation is likely to develop following contact with human skin.
This product will probably not be absorbed through human skin.

INHALATION: Unlikely to be hazardous by inhalation because of low vapor pressure of material at ambient temperature.
Vapors and aerosols will probably irritate respiratory passages.
No toxic effects are known to be associated with inhalation of this material.

INGESTION: Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.
No toxic effects are expected following ingestion of this product.

FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes.
If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

SKIN: Wash material off of the skin with plenty of soap and water.
If redness, itching, or a burning sensation develops, get medical attention.

INHALATION: Remove victim to fresh air.
If a cough or other respiratory symptoms develop, consult medical personnel.

INGESTION: DO NOT INDUCE VOMITING.
Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center.
Never give anything by mouth to an unconscious person.

FIRE & EXPLOSION HAZARD DATA

FLASH POINT, °F: 356°F (open cup)
FLASH POINT, °C: 180°C (open cup)
AUTO-IGNITION TEMPERATURE, °F: 617
AUTO-IGNITION TEMPERATURE, °C: 325
FLAMMABLE LIMITS: No data.

EXTINGUISHING MEDIA: Water fog, alcohol foam, carbon dioxide, dry chemical

SPECIAL FIRE-FIGHTING PROTECTIVE EQUIPMENT: A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

FIRE AND EXPLOSION HAZARDS: None known

COMBUSTION PRODUCTS: Thermal decomposition will evolve irritant vapors.

EXPLOSION DATA:
SENSITIVITY TO MECHANICAL IMPACT: No data.
SENSITIVITY TO STATIC DISCHARGE: No data

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Refer to Exposure Controls/Personal Protection section.

ACCIDENTAL RELEASES/SPILLS: Contain spill. Sweep up and recover or mix material with a moist absorbent and shovel into a chemical waste container.

HANDLING AND STORAGE

HANDLING: Normal precautions should be observed as for handling all chemicals.
Prevent eye contact.

SPECIFIC USES OF THE PRODUCT: Smoldering can occur upon leakage onto fibrous insulation material.

STORAGE: 50 - 90°F / 10 - 32°C and store in original containers.

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EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE LIMITS:

<u>OSHA PEL</u> <u>COMPONENT NAME</u>	<u>EXPOSURE LIMITS</u>	<u>NOTES</u>
No OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice.		

<u>ACGIH TLV</u> <u>COMPONENT NAME</u>	<u>EXPOSURE LIMITS</u>	<u>NOTES</u>
No ACGIH TLV assigned. Minimize exposure in accordance with good hygiene practice.		

PERSONAL PROTECTION:

ENGINEERING CONTROLS:	Provide adequate ventilation
EYE PROTECTION:	Chemical tight goggles
PROTECTIVE CLOTHING:	Impervious gloves
RESPIRATORY PROTECTION:	Respiratory protection is not normally needed if controls are adequate
OTHER:	Eyewash and safety shower easily accessible to the work area

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PHYSICAL AND CHEMICAL PROPERTIES

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COLOR	:	yellow
FORM	:	Solid @ 20 °C
ODOR	:	Faint odor
pH	:	Not applicable.
BOILING POINT (°F)	:	>392 (1 atmospheric pressure)
BOILING POINT (°C)	:	>200 (1 atmospheric pressure)
FLASH POINT (°F)	:	356(open cup)
FLASH POINT (°C)	:	180(open cup)
AUTOIGNITION TEMPERATURE (°F)	:	617
AUTOIGNITION TEMPERATURE (°C)	:	325
FLAMMABLE LIMITS	:	No data.
EXPLOSIVE PROPERTIES	:	Not to be expected
OXIDIZING PROPERTIES	:	Not to be expected
SOLUBILITY (WATER)	:	Insoluble
SOLUBILITY (OTHER)	:	Soluble in many organic solvents
PARTITION COEFFICIENT	:	Estimated ≥ 3
DENSITY (g/ml)	:	0.85 @ 75 °C
FREEZING/MELTING POINT, (°F)	:	104
SOLIDIFICATION POINT (°C)	:	40

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STABILITY AND REACTIVITY

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STABILITY:	Stable under normal conditions
MATERIALS TO AVOID:	Strong oxidizing agents
CONDITIONS TO AVOID:	None known
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition will evolve irritant vapors
HAZARDOUS POLYMERIZATION:	Will not occur

TOXICOLOGICAL INFORMATION

The following data relates to an analogous product:

EYE CONTACT:	Rabbit	Draize		Nonirritating.
SKIN CONTACT:	Rabbit	Draize	24 hours	Nonirritating.
INGESTION:	LD50 rat \geq 2000 mg/kg			Practically nontoxic
CHRONIC:	The following data relates to an analogous product: Studies in animals have shown that repeated doses produce no significant effects.			
MUTAGENICITY:	There is no evidence of mutagenic potential.		Ames test:	Negative
TOXICOLOGICALLY SYNERGISTIC PRODUCTS:	None known.			

ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE & DISTRIBUTION:	The product is essentially insoluble in water.
PERSISTENCE & DEGRADATION:	(OECD 301B) (28 days) \geq 99% readily biodegradable
TOXICITY:	Not toxic at concentrations well above the water solubility LC50 (48 hour) <i>Cyprinus carpio</i> \geq 1000mg/l IC50 (16 hour) <i>Pseudomonas putida</i> \geq 80mg/l

DISPOSAL CONSIDERATIONS

RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) CLASSIFICATION:

SPECIFICALLY LISTED WASTES:	Not applicable.
CHARACTERISTIC WASTES	
IGNITABILITY	Not applicable.
CORROSIVITY:	Not applicable.
REACTIVITY:	Not applicable.
TOXICITY:	Not Applicable.
DISPOSAL METHOD:	Disposal in accordance with local, state or national legislation.
CONTAINER DISPOSAL:	Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):	Not regulated
TRANSPORTATION OF DANGEROUS GOODS (TDG):	Not regulated

NOT CLASSIFIED IN RID/ADR – ADNR – IMDG – ICAO/IATA-DGR

REGULATORY INFORMATION

INVENTORY STATUS:

EU (EINECS/ELINCS/NLP):	Compliant.
USA (TSCA):	Compliant.
CANADA (DSL):	Compliant.
AUSTRALIA (AICS):	Compliant.
JAPAN (ENCS):	Compliant.
CHINA (IECSC):	Compliant.
KOREA (ECL):	Compliant.
PHILIPPINES (PICCS):	Compliant.

OSHA HAZARD COMMUNICATION STANDARD,
29 CFR 1910.1200, HAZARD SUMMARY:

HEALTH HAZARDS:	None
PHYSICAL HAZARDS:	None

WHMIS CLASSIFICATION: Non-controlled (Nonhazardous).

CERCLA AND SARA REGULATIONS (40 CFR 355, 370, AND 372):

THIS MATERIAL CONTAINS THE FOLLOWING CHEMICALS SUBJECT OF THE REPORTING REQUIREMENTS OF SARA 313:

No 313-listed chemicals in this product

SARA 311/312 HAZARD CHATEGORIES:

Immediate:	N
Delayed:	N
Fire:	N
Pressure:	N
Reactivity:	N

OTHER INFORMATION

NFPA ratings and HMIS ratings were assigned to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment is provided with information contained in the product MSDS.

HMIS INFORMATION:	Health:	1
	Flammability:	1
	Physical Hazards:	0

The HMIS ratings displayed above are from the HMIS III Third Edition. There have been significant changes made to the system. "Physical Hazard" stands for physical hazard as defined in the OSHA Hazard Communication Standard and replaces the former code for reactivity. For a more detailed explanation of the system and the ratings, please contact our Quality Assurance Specialist.

NFPA INFORMATION:	Health:	1
	Flammability:	1
	Instability:	0

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.