Material Safety Data Sheet



PRODUCT NAME: OLEIC ACID 105

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

OLEIC ACID 105
112-80-1
February 10, 2011

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

INGREDIENTS:	CAS#	% (w/w)	OSHA PEL	ACHIH TLV
Saturated and unsaturated straight chain aliphatic monocarboxylic acids,	112-80-1	60-100	No PEL established	No TLV established
mainly oleic acid				

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

		HAZA	RDS IDENTIFICATION	
EMERGENCY OVERVIEW: C F C		COLOR: FORM: ODOR:	Pale yellow to yellow Liquid @ 20°C Faint odor	
INHALATION OR IN	GESTION MAY C	AUSE MUCOU	S MEMBRANE IRRITATION. MAY CA	AUSE EYE IRRITATION.
GENERAL:	Limited toxicit based on the re	y data are availal sults of screening	ble on this specific product; this health haz g tests.	ard assessment is
EYE CONTACT:	May cause eye	irritation in man	l.	
SKIN CONTACT:	No irritation is No sensitization This product w	likely to develop n reactions. ill probably not l	p following contact with human skin. be absorbed through human skin.	
INHALATION:	Unlikely to be Thermal decon No toxic effect	hazardous by inh position will even s are known to b	nalation because of material's low vapor pr olve irritant vapors. e associated with inhalation of this materia	essure at ambient temperature.
INGESTION:	Low oral toxici No toxic effect	ty, but ingestion s are expected for	may cause irritation of the gastrointestinal ollowing ingestion of this product.	tract.
OTHER:	Not listed by A	CGIH, IARC, N	IIOSH, NTP or OSHA.	A division of Jacob Stern & Sons, Inc. - SINCE 1857-

		FIRST AID MEASURES	
EYE CONTACT:	CONTACT: 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		
SKIN CONTACT:	Wash material of If redness, itchin	ff of the skin with plenty of soap and water. ag, or a burning sensation develops, get medical attention.	
INHALATION:	Remove victim t If a cough or oth	to fresh air. Her respiratory symptoms develop, consult medical personnel.	
INGESTION:	DO NOT INDUCE VOMITING. Give one or two glasses of water to drink 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-FIGHTING MEASURES	
FLASH POINT (°F): FLASH POINT (°C): AUTO-IGNITION TEM AUTO-IGNITION TEM FLAMMABLE LIMITS EXTINGUISHING MEI SPECIAL FIRE-FIGHT PROTECTIVE EQUIPM FIRE AND EXPLOSIO COMBUSTION PRODU EXPLOSION DATA: SENSITIVITY	IPERATURE (°F): IPERATURE (°C): S: DIA: ING MENT: N HAZARDS: UCTS: TO MECHANICA TO STATIC DISC	356 (open cup) 180 (open cup) 662 350 No data. Water fog, alcohol foam, carbon dioxide, dry chemical. A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions. None known. Thermal decomposition will evolve irritant vapors. AL IMPACT: No data. CHARGE: No data.	
PERSONAL PRECAUT	FIONS: .SE/SPILLS:	Refer to Exposure Control/Personal Protection section. Contain spill. Soak up material with absorbent and shovel into a chemical waste container. Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility.	
		HANDLING AND STORAGE	
HANDLING:		Normal precautions should be observed as for handling all chemicals Prevent eye contact.	
SPECIFIC USES OF TH	HE PRODUCT:	Smoldering can occur upon leakage onto fibrous insulation material.	
STORAGE:		Store in original containers.	

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

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

PERSONAL PROTECTION:

Provide adequate ventilation
Chemical tight goggles
Impervious gloves
Respiratory protection is not normally needed if controls are adequate
Eyewash and safety shower easily accessible to the work area

PHYSICAL DATA AND CHEMICAL PROPERTIES

COLOR:	Pale yellow to yellow
FORM:	Liquid @ 20 °C
ODOR:	Faint odor
pH:	Not applicable.
BOILING POINT (°F):	428 (10 hPa)
BOILING POINT (°C):	220 (10 hPa)
FLASH POINT (°F):	356 (open cup)
FLASH POINT (°C):	180 (open cup)
AUTO-IGNITION TEMPERATURE (°F):	662
AUTO-IGNITION TEMPERATURE (°C):	350
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:	3 Estimated
DYNAMIC VISCOSITY (mPa.s):	25 @ 25°
DENSITY (g/ml):	0.9 @ 20 °C
CLOUD POINT (°F):	≤ 50
CLOUD POINT (°C):	≤ 10

STABILITY AND REACTIVITY

STABILITY:
INCOMPATIBLE MATERIALS:
CONDITIONS TO AVOID:
HAZARDOUS DECOMPOSITION:
HAZARDOUS POLYMERIZATION:

Stable under normal conditions Strong oxidizing agents. None known. Thermal decomposition will evolve irritant vapors. Will not occur.

		TOXICOL	OGICAL INFORMATION
EYE CONTACT SKIN CONTACT: INGESTION:	Rabbit Rabbit LD50 rat ≥ 200	Draize Draize 0 mg/kg	Nonirritating. Nonirritating. Relatively harmless.
CHRONIC REPRODU TOXICITY/TERATO	JCTIVE GENICITY:	A multi-generation of adverse rep	ation study in rats has shown that repeated high doses produce productive effects.
MUTAGENICITY:		There is no ev Ames test:	idence of mutagenic potential. Negative
TOXICOLOGICALLY SYNERGISTIC PROD	OUCTS:	None known	
		ECOLO	GICAL INFORMATION
ENVIRONMENTAL I PERSISTENCE & DE	FATE & DISTRIBU GRADATION:	UTION: The s (OEC	substance is essentially insoluble in water. CD 301B) (28 days) 93 %
TOXICITY:		LC50 LC50) (96 hour) (static) rainbow trout \ge 56 mg/l) (48 hour) (static) Cyprinus carpio 80 mg/l
		DISPOS.	AL CONSIDERATIONS
RCRA (RESOURCE C	CONSERVATION	AND RECOVER	RY ACT) CLASSIFICATION:
SPECIFICALLY LISTED WASTES: CHARACTERISTIC WASTES: IGNITABILITY: CORROSIVITY: REACTIVITY: TOXICITY:		TES: Not a Y: Not a Y: Not a Not a Not a	pplicable. pplicable. pplicable. pplicable. pplicable.
DISPOSAL METHOD	: Dispos	al should be in a	ccordance with local, state or national legislation.
CONTAINER DISPOS	SAL Empty Observ Do not storage Remov before	container retains ye all hazard prece distribute, make e and shipment o ye all product res disposal.	s product residue. cautions. e available, furnish or reuse empty container except for f original product. idues from container and puncture, or otherwise destroy empty container
		TRANS	PORT INFORMATION
DOT (DEPARTMENT TDG (TRANSPORTA	OF TRANSPORT	======================================	Not regulated. Not regulated. Not regulated.

Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA-DGR.

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REGULATORY INFORMATION

STATE REGU	LATIONS:	Pennsylvania State Chemicals Regulated as Hazardous: 9-Octadecenoic acid (Z)-	
Reacti	vity: No		
Pire:	INO		
Delay	ed: No		
Immed	liate: No		
SARA 311/312	Hazard Categori	ies:	
****N	lo SARA 313 Ch	emicals for this chemical****	
This n	naterial contains t	the following chemicals subject to the reporting requirements of SARA 313:	
CEDCIA & S/		IONS (40 CEP 355, 370, & 372).	
WHMIS CLAS	SIFICATION:	Non-controlled / Non-hazardous	
Health	Hazards:	None	
Physic	al Hazards:	None	
OSHA Hazard	Communication S	Standard, 29 CFR 1920.1200, Hazard Summary:	
Philip	pines (PICCS):	Compliant.	
Korea	(ECL):	Compliant.	
China	(IECSC):	Compliant.	
Japan	(ENCS):	Compliant.	
Austra	lia (AICS) [.]	Compliant	
Canad	a (DSL)	Compliant	
	TSCA).	Compliant	
ELL (F	MECS/ELINCS/	(NIL P): Compliant	

NFPA ratings and HMIS ratings to this product were assigned 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 (PPE) is provided consistent with information contained in the product MSDS.

HMIS Information:	HEALTH: FLAMMABILITY: PHYSICAL HAZARDS:	1 1 0
NFPA Information:	HEALTH: FLAMMABILITY: INSTABILITY:	1 1 0

This information is intended solely for the use of individuals trained in the particular hazard rating system.

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.