

Material Safety Data Sheet



PRODUCT NAME: 2-ETHYL HEXYL STEARATE

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

PRODUCT NAME: 2-Ethylhexyl Stearate
CAS #: 22047-49-0
DATE: November 8, 2012

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

COMPOSITION	CHEMICAL FORMULA	CAS#	Wt/Wt, %	EC#	EC SYMBOL	EC R-PHRASES
2-Ethylhexyl Stearate	C ₂₆ H ₅₂ O ₂	22047-49-0	≥ 90	244-754-0	Not Applicable	Not Applicable

HAZARDS IDENTIFICATION

HAZARDS IDENTIFICATION: Not considered as hazardous.
Not classified as hazardous according to criteria of WorkSafe Australia.

PROPOSED CLASSIFICATION: Not classified

HUMAN HEALTH HAZARDS

INHALATION: Not applicable at ambient temperature
Vapor can cause irritation

SKIN CONTACT: Unlikely to be an irritant

EYE CONTACT: Can cause irritation

INGESTION: May cause irritation of the gastrointestinal tract
Low oral toxicity

PHYSICAL/CHEMICAL HAZARDS: None identified

ENVIRONMENTAL HAZARDS: None identified

FIRST AID MEASURES

INHALATION: Remove patient from exposure.
Obtain medical attention if ill effects occur.

SKIN CONTACT: Remove contaminated clothing.
Wash skin with soap and water.
If symptoms develop, obtain medical attention.

EYE CONTACT: Irrigate with eyewash solution or clean water for at least 10 minutes.
Obtain medical attention.

INGESTION: Remove material from mouth.
Drink plenty of water.
If large amount is swallowed or symptoms develop, get medical attention.

FURTHER MEDICAL TREATMENT: Symptomatic treatment and supportive therapy as indicated.

FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide, dry chemical

UNSUITABLE EXTINGUISHING MEDIA: None known

SPECIFIC HAZARDS Thermal decomposition will evolve irritant vapors.

FIRE-FIGHTER PROTECTION: Self contained breathing apparatus, full protective clothing.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with eyes
Do not breathe vapors

ENVIRONMENTAL PRECAUTIONS: Minimize contamination of drains, surface and ground waters

METHODS FOR CLEAN-UP: Transfer product to suitably labeled containers for disposal at an approved site
Absorb liquid spillage onto inert material (e.g. sand)
Residues and small spillages may be washed away with water and detergent

OTHER INFORMATION: Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body

HANDLING AND STORAGE

HANDLING: Prevent eye skin contact
Avoid breathing material
Provide adequate ventilation
Do not swallow

STORAGE: Store in original closed containers.

OTHER INFORMATION: For quality reasons, avoid elevated temperatures

EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES:	Ensure adequate ventilation or local exhaust if formation of vapor occurs.
HYGIENE MEASURES:	Good industrial hygiene should be followed
OCCUPATIONAL EXPOSURES:	No occupational exposure limits have been established
PERSONAL PROTECTIVE EQUIPMENT:	Normal precautions should be observed as for handling all equipment

PHYSICAL AND CHEMICAL PROPERTIES

VALUES ARE NOT INDICATIVE OF PRODUCT SPECIFICATIONS

PHYSICAL STATE @ 20°C:	Liquid
COLOUR:	Colorless
ODOUR:	Faint
pH:	Not applicable
BOILING POINT/BOILING RANGE, °C:	>200 °C
CLOUD POINT, °C:	<10°C
FLASH POINT, °C:	200°C (open cup)
FLAMMABILITY:	No data
AUTOIGNITION TEMPERATURE:	No data
EXPLOSION PROPERTIES:	No data
OXIDATION PROPERTIES:	Not to be expected
VAPOUR PRESSURE @ 20°C:	<1 hPa
DENSITY @ 20°C:	860 kg/m ³
SOLUBILITY IN WATER:	Insoluble
SOLUBILITY IN OTHER INGREDIENTS:	Soluble in many organic solvents
PARTITION COEFFICIENT (log Pow):	>3 (estimated)
VISCOSITY @ 40°C:	10 mm ² /s
VOLATILE ORGANIC COMPOUND (VOC):	Not volatile ambient

STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions
MATERIALS TO AVOID:	Oxidizing agents
CONDITIONS TO AVOID:	Not known
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition will evolve irritant vapors
HAZARDOUS REACTIONS:	None
HAZARDOUS POLYMERIZATIONS:	Will not occur

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	
ORAL:	LD ₅₀ : >2 g/kg (rat)
SKIN IRRITATION:	Not irritating (rabbit)
EYE IRRITATION:	Not irritating (rabbit)
SENSITIZATION:	No sensitization reactions (guinea-pig)

ECOLOGICAL INFORMATION

DEGRADABILITY: Readily biodegradable

ECOTOXICITY: LC50: >10 g/l (fish - 96 hours)
 EC50: >10 g/l (Pseudomonas putida - 16 hours)
 >100 mg/l (Daphnia magna - 48 hours)

DISPOSAL CONSIDERATIONS

METHODS OF DISPOSAL: Re-use/recycling of waste highly recommended. Disposal according to the local legislation.

CONTAMINATED PACKAGING: Observe local regulations.

TRANSPORT INFORMATION

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

REGULATORY INFORMATION

INCI DESIGNATION: 2-Ethylhexyl Stearate

Not Classified as Dangerous for Supply/Use

Not classified as hazardous according to criteria of WorkSafe Australia.

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

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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.