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Material Safety Data Sheet

C12-13 alkyl lactate

Section 1: Chemical Product and Company Identification

Product Name: C12-13 alkyl lactate

CAS No.: 93925-36-1

Synonym: Propanoic acid, 2-hydroxy-, C12-15-alkyl esters

Molecular Weight: 257.39-299.46

Chemical Formula: C15-18H29-35O3

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Section 2: Composition and Information on Ingredients

Component	CAS No.	Weight %
C12-13 alkyl lactate	93925-36-1	95-99

Toxicological Data on Ingredients: Acute Oral LD50 (mg/kg): 18900

Section 3: Hazards Identification

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Skin Contact:

Wash with soap and water.

Ingestion:

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

No specific treatment is necessary since material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

Section 5: Fire and Explosion Data

Extinguishing Media: All standard firefighting media

Unusual Fire/Explosion Hazards: Unknown

Special Protective Equipment: Fire fighters should wear full protective clothing, including self-contained breathing equipment.

Section 6: Accidental Release Measures

Personal Precautionary Measures: Use appropriate protective equipment.

Environmental Precautions: None known.

Procedure for Cleaning/Absorption: Contain spill with sand or other inert materials.

Section 7: Handling and Storage

Handling:

Avoid contact with eyes. Wash thoroughly with soap and water after handling.

Storage:

Keep containers tightly closed when not in use. Store in a cool, dry place, out of direct sunlight.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Use in a well ventilated area.

Respiratory Protection: Use in a well ventilated area.

Hand Protection: Use gloves as a standard industrial handling procedure.

Eye Protection: Safety glasses.		
Exposure Limits		
Components:	German Recommended Exposure Limits (MAK):	UK Workplace Exposure Limits (WELs)
Propanoic acid, 2-hydroxy-, C12- 15-alkyl esters 93925-36-1 (95-99)	Not determined	Not determined

Section 9: Physical and Chemical Properties

Physical State: Liquid
Appearance: White Straw
Odor: Faint
Odor Threshold :No information available
pH: No information available
Specific Gravity: 0.90 ~ 0.92 @25°C
Melting Point/Freezing Point: 8.96 ~ 21.2°F
Boiling Point/Range : No data available
Flash Point : 350 °C
Evaporation Rate :No information available
Flammability (solid,gas): Not applicable
Density: No information available
Solubility: Insoluble in Water

Section 10: Stability and Reactivity Data

Chemical Stability: Stable under normal conditions of handling, use and transportation.
Hazardous Polymerization: Will not occur
Conditions to Avoid: None anticipated
Materials to Avoid: Strong oxidizers.
Hazardous decomposition products: Carbon dioxide. Carbon monoxide.

Section 11: Toxicological Information

Toxicity Test:
Acute Oral LD50 (mg/kg): 18900
Acute Dermal LD50 (mg/kg): Not Determined
Eye Irritation: Mildly irritating to rabbit eye.
Skin Irritation: Minimally irritating to rabbit skin.
Sensitization: Non- sensitizing to guinea pig skin.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

This product is not classified as hazardous under the terms of the EEC directive 67/548/EEC, UN regulations or the Classification:

European ADR/RID agreements.

TSCA Inventory List:

This product and/or its components does not comply with TSCA

California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List:

This product and/or its components is not listed on California Proposition 65 .

Canada DSL Inventory List:

This product and/or its components are listed or exempt from the DSL Inventory.

Canada NDSL Inventory List:

This product and/or its components does not comply with NDSL.

European Inventory of Existing Commercial Chemical Substances (EINECS):

This product and/or its components are listed or exempt from the EINECS Inventory.

EU List of Notified Chemical Substances (ELINCS) :

This product and/or its components does not comply with ELINCS.

Japan Inventory of Existing & New Chemical Substances (ENCS):

This product and/or its components does not comply with ENCS.

Australia Inventory of Chemical Substances (AICS) List:

This product and/or its components are listed or exempt from the AICS Inventory.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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