Kao Specialties Americas LLC

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SAFETY DATA SHEET

Conforms to the requirements of the United States Hazard Communication regulation 29 CFR 1910.1200

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME

PRODUCT CASRN

PRODUCT DESCRIPTION

SDS DOCUMENT No.

MELUSAT

2983-37-1

aliphatic ester

K80010

RECOMMENDED USES This product is intended for use in fragrance applications.

RESPONSIBLE PARTY

Kao Specialties Americas LLC 243 Woodbine Street P. O. Box 2316

High Point, NC 27261 Telephone: 1-800-727-2214 Refer to SECTION 16 for information regarding the

MANUFACTURER(s) of this product

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

SECTION 2: HAZARD(S) IDENTIFICATION

PRODUCT CLASSIFICATION per 29 CFR 1910.1200

HAZARD

CLASSIFICATION

Flammable Liquid Category 4

SIGNAL WORD Warning

HAZARD

STATEMENTS

Combustible Liquid

RECOMMENDED SAFETY PRECAUTIONS

INJURY PREVENTION

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Wear chemical-resistant gloves and clothing, eye protection and face protection.

In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide, or **EMERGENCY**

RESPONSE sand to extinguish.

PRODUCT STORAGE Store in a well-ventilated place. Keep cool.

Dispose of contents and container in accordance with local, national, and **PRODUCT DISPOSAL**

international regulations for hazardous wastes.

HAZARDS NOT OTHERWISE CLASSIFIED

PYROPHORIC GASES Not applicable

SIMPLE

ASPHYXIANTS

Not applicable

COMBUSTIBLE DUST Not applicable

Dust Classification	Minimum Ignition Energy (mJ)	Pmax (bar-g)	Rmax (bar/s)	Kst (bar-m/s)	Explosion Severity
Not Applicable			_		

Definitions for dust classifications are found in OSHA Instruction CPL 03-00-008 Combustible Dust National Emphasis Program (reissued) March 11, 2008, Appendix E, Section 5

Other Known None Hazards

FOR INFORMATION REGARDING ENVIRONMENTAL GHS CLASSIFICATION, REFER TO SECTION 12 BELOW

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name	Common Name	CAS Number	Concentration (%)
Hexanoic acid, 3,5,5-trimethyl-, ethyl ester	Hexanoic acid, 3,5,5-trimethyl-, ethyl ester	67707-75-9	~ 100

If any items in the table above are described as CONFIDENTIAL, Kao Specialties Americas LLC considers this information to constitute a Trade Secret.

SECTION 4: FIRST-AID MEASURES

Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, **EYES** seek medical attention.

For skin contact, wash immediately with soap and water. If necessary, seek medical **SKIN**

attention.

If the material is swallowed, get immediate medical attention or advice. **INGESTION**

If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing **INHALATION**

is difficult, give oxygen.

SYMPTOMS of

None known. **EXPOSURE**

NOTES to PHYSICIAN | Provide general supportive measures and treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE Refer to SECTION 9: Physical and Chemical Properties PROPERTIES

HAZARDOUS PRODUCTS of COMBUSTION

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

PROPERTIES THAT COULD INCREASE **FIRE or EXPLOSION HAZARD**

No known hazards.

EXTINGUISHING MEDIA

Powder, alcohol-resistant foam, CO2 & sand

FIRE-FIGHTING **INSTRUCTIONS** Firefighters should wear full protective clothing including self contained breathing

apparatus.

NFPA ratings are found in SECTION 16

SECTION 6: ACCIDENTAL RELEASE MEASURES

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

RESPONSE TO SMALL SPILLS OF PRODUCT

Stop the flow of material, if this is without risk. Contain the discharged material. **SPILL CONTAINMENT** Eliminate all sources of ignition or flammables that may come into contact with a

spill of this material.

SPILL CLEANUP PROCEDURES

Absorb spill with inert material. Shovel material into appropriate container for

disposal.

REQUIRED EQUIPMENT

Shovel the material into waste container.

ADDITIONAL INFORMATION

No other spill procedures necessary.

RESPONSE TO LARGE SPILLS OF PRODUCT

SPILL CONTAINMENT

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent liquid from entering sewers. Keep out of drains and water courses. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

SPILL CLEANUP PROCEDURES

Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear appropriate protective equipment and clothing during clean-up. Thoroughly wash the area with water after a spill or leak clean-up. Dispose of spent absorbent in an approved industrial waste landfill.

REQUIRED EQUIPMENT

No additional information on equipment.

ADDITIONAL INFORMATION

Surfaces may become slippery after spillage. Have emergency equipment readily available. Remove soiled clothing and launder before reuse.

SECTION 7: HANDLING AND STORAGE

HANDLING REQUIREMENTS

As with all chemicals, good industrial hygiene practices should be followed when handling this material. Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or promptly disposed of. Container and equipment used to transfer this product must be properly grounded/bonded to avoid ignition resulting from static accumulation.

STORAGE REQUIREMENTS

Do not store this material in open or unlabeled containers.

To protect purity, store under dry nitrogen gas.

Eliminate all sources of ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Use explosion-proof equipment if high dust/air concentrations are possible.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

Wear chemical goggles.

HAND PROTECTION

Use impervious gloves.

SKIN PROTECTION Normal work clothing (long sleeved shirts and long pants) is recommended.

RESPIRATORY PROTECTION

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne

exposure.

OTHER Eyewash fountains and emergency showers are required.

EXPOSURE LIMITS

CHEMICAL CASRN PERCENT LIMITS AGENCY

OSHA: No exposure limits established for this product ACGIH: No exposure limits established for this product

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE @ 20°C	Clear, colorless liquid	ODOR	Characteristic odor
ODOR THRESHOLD	No data available	рН	No information available
VAPOR DENSITY	No data available	VAPOR PRESSURE	No data available
EVAPORATION RATE	No data available	RELATIVE DENSITY	0.86g/mL @ 25°C
MELTING POINT (°C)	No data available	WATER SOLUBILITY	Poor in Water.
INITIAL BOILING POINT (°C)	No data available	BOILING RANGE (°C)	No data available
PARTITION COEFFICIENT (N- OCTANOL/WATER)	No data available	VISCOSITY	No data available
DECOMPOSITION TEMPERATURE	No data available	FLAMMABILITY CLASSIFICATION	CLASS IIIA
FLASH POINT (°C)	66°C TAG CLOSED CUP	AUTO-IGNITION TEMPERATURE	No data available
UPPER EXPLOSIVE LIMIT	No data available	LOWER EXPLOSIVE LIMIT	No data available

SECTION 10: STABILITY and REACTIVITY

CHEMICAL STABILITY Stable under normal conditions.

CONDITIONS to

AVOID

None known

INCOMPATIBLE

MATERIALS (Reactivity)

None known.

INCOMPATIBLE MATERIALS (Storage

& Transport)

No information available.

HAZARDOUS DECOMPOSITION

None known.

PRODUCTS

HAZARDOUS

POLYMERIZATION

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

EYE EFFECTS Liquid is mildly irritating to eyes.

SKIN EFFECTS Prolonged and/or repeated skin contact may result in mild irritation or redness.

ACUTE ORAL

(INGESTION)

EFFECTS

Not a likely route of entry.

ACUTE INHALATION

EFFECTS

This product may cause slight irritation to the respiratory system.

No known effects. **TARGET ORGANS**

CHRONIC EFFECTS

TERATOLOGY No data available for this product.

REPRODUCTIVE and

DEVELOPMENTAL **TOXICITY**

No information available.

CARCINOGENICITY

CHEMICAL NAME DATA AGENCY LIST

None of the components of this product are listed on the OSHA Possible or Select Carcinogens Lists. None of the components of this product are listed on the ACGIH Carcinogens List.

No limits established for this product by the International Agency for Research on Cancer (IARC).

None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.

LETHAL DOSE (LD50 & LC50) DATA

LD50 ORAL LD50 Oral Rat > 2000 mg/kg

MEDICAL CONDITIONS AGGRAVATED by EXPOSURE

No information available.

ROUTES of ENTRY

ROUTES of ENTRY

ROUTES of entry for solids and liquids include eye and skin contact, ingestion and

inhalation.

OTHER

TOXICOLOGICAL INFORMATION

Mutagenicity: OECD 471 - nonmutagenic

SECTION 12: ECOLOGICAL INFORMATION

UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION

AQUATIC TOXICITY CLASSIFICATION

Not classified as hazardous to aquatic environment

SIGNAL WORD Not applicable

HAZARD

PICTOGRAM

Not applicable

HAZARD STATEMENT | Not applicable

PREVENTION Not applicable

RESPONSE Not applicable

DISPOSAL Not applicable

ADDITIONAL ENVIRONMENTAL INFORMATION

AQUATIC TOXICTY

(fish)

96 hr LC50 > 100 mg/L

ECOTOXICITY None determined

ENVIRONMENTAL No data available for this product.

BIOLOGICAL

OXYGEN DEMAND
(BOD5), g/g

No data available

CHEMICAL OXYGEN
DEMAND (COD), g/g
No data available

PERSISTENCE & No information available.

BIOACCUMLATION No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

GENERAL DISPOSAL Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

DISPOSAL of EMPTY CONTAINERS Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

RCRA COMPONENT CASRN DATA

No limits established for this product.

SECTION 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG
UN NUMBER	NA1993	Not applicable	Not applicable
UN PROPER SHIPPING NAME	Combustible liquid, n.o.s.	Non-hazardous material	Non-hazardous material
TECHNICAL NAME	containing ethyl-2- ethylhexanoate		
TRANSPORT HAZARD CLASS(ES)	3	Not applicable	Not applicable

PACKING GROUP Ш Not applicable Not applicable

REPORTABLE No reportable quantity **QUANTITY (RQ)** for this product

EMERGENCY RESPONSE GUIDEBOOK (ERG) REFERENCE

128

MARINE POLLUTANT None

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT This product is listed on the U.S. EPA TSCA Inventory.

(TSCA)

EXPORT This product is not subject to TSCA 12B Export Notification requirements. **NOTIFICATIONS**

SIGNIFICANT NEW This material is not subject to a Significant New Use Rule under the US Toxic **USE RULE (SNUR)** Substances Control Act.

INTERNATIONAL CHEMICAL INVENTORIES

All of the components of this product are listed on the following inventories:

DSL	Canada	Yes	
NDSL	Canada	No	
ENCS	Japan	Yes	Registry No. 2-782
EINECS	Europe	Yes	Registry No. 221-043-3
ELINCS	Europe	No	
IECSC	China	Yes	
PICCS	Philippines	Yes	
ECL	Korea	Yes	Registry No. KE-13696
AICS	Australia	Yes	
TCSI	Taiwan	Not eva	luated

EMERGENCY PLANNING and COMMUNITY RIGHT TO KNOW ACT (EPCRA) 40 CFR PART 355, APPENDIX A

EHS COMPONENTS	CASRN	PERCENT	TPQ POUNDS and RQ

No limits established for this product.

313 COMPONI	ENTS	CASRN	PERCENT	REPORTING LIMIT	
No limits established fo	r this product.				
CERCLA/SARA COM	IPONENTS	CASRN	PERCENT	REPORTING LIMIT	
No limits established fo					
I	ACUTE	No			
EDODA SECTION	CHRONIC	No			
EPCRA SECTION 311/312 CLASSIFICATION	FIRE	Yes			
	PRESSURE	No			
	REACTIVE	No			
OTHER FEDERAL REGUI	LATIONS				
The following compone	ents are identifi	ied under the Clear	n Air Act HON-Rule fo	or SOCMI chemicals:	
	COMPONENT N			CASRN	
No regulated componer	nts				
The following components are identified under the Clean Air Act (VOCs in SOCMI chemicals): COMPONENT NAME CASRN					
No regulated components					
The following components are identified under the Clean Air Act as Hazardous Air Pollutants (HAP) COMPONENT NAME CASRN					
No regulated components					
The following components are identified under the Clean Air Act HON-Rule Hazardous Air Pollutants (HAP)					
COMPONENT NAME CASRN					
No regulated components					
The following components are identified under the Clean Water Act:					
COMPONENT NA	AME	CASRN	l	LIST NAME	

No limits established for this product.

STATE RIGHT-TO-KNOW INFORMATION:

COMPONENT NAME CASRN STATE List Name

If the STATE RIGHT-TO-KNOW INFORMATION table above is empty than none of the components of this product are included on the state right-to-know regulatory lists for Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

CALIFORNIA SAFE WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)

COMPONENT NAME CASRN CONCENTRATION LIST DATA

TCONCENTRATIONS EXPRESSED IN % UNLESS UNITS ARE SPECIFIED

SECTION 16: OTHER INFORMATION

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.

SDS GENERATED BY HAZEMS

SDS VERSION DATE 12/14/2015 6:20:24 PM

Patrick B. Simcox

SDS APPROVED BY Manager – Health, Safety, & Environmental

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NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0

Hazardous Material Identification System (HMIS) Hazard Ratings

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL	D
PROTECTION	U

The following components of this product are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

COMPONENT	CASRN	PERCENT	MINIMUM
			CONCENTRATION

No regulatory limits established for this product.

END OF DOCUMENT