Kao Specialties Americas LLC

243 Woodbine Street • PO Box 2316 • High Point, NC 27261 USA Phone 336-884-2214 • Fax 336-884-8786



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 AMYL CINNAMIC ALDEHYDE

PRODUCT CASRN 122-40-7

PRODUCT DESCRIPTION AROMATIC ALDEHYDE

SDS DOCUMENT No. L02016

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

Skin Sensitisation Category 1B

SIGNAL WORD Warning

HAZARD

STATEMENTS

May cause an allergic skin reaction.

HAZARD PICTOGRAMS



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RECOMMENDED SAFETY PRECAUTIONS

Avoid breathing dust/fume/gas/mist/vapours/spray.

INJURY PREVENTION Contaminated work clothing should not be allowed out of the workplace.

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

EMERGENCY RESPONSE

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

The storage area must be protected by properly designed containment to prevent the

release of product to groundwater or sewers.

Keep container tightly closed when not in use.

Store in a well ventilated area.

PRODUCT DISPOSAL

PRODUCT STORAGE

Dispose of contents and container in accordance with local, national, and

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 Hazards

None

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

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name	Common Name	CAS Number	Concentration (%)
Heptanal, 2-(phenylmethylene)-	alpha-amyl cinnamic aldehyde	122-40-7	Confidential
Phenol, (1,1-dimethylethyl)-4- methoxy-	tert-butyl-p-hydroxyanisole	25013-16-5	Confidential

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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

Remove contact lens immediately, if present and easy to remove. Immediately flush **EYES**

eyes with plenty of water for at least 15 minutes. If necessary, 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 **EXPOSURE**

None known.

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

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

RESPONSE TO SMALL SPILLS OF PRODUCT

SPILL CONTAINMENT Stop the flow of material, if this is without risk. Contain the discharged material.

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

PROCEDURES disposal.

REQUIRED Shovel the material into waste container.

ADDITIONAL No other spill procedures necessary.

RESPONSE TO LARGE SPILLS OF PRODUCT

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.

SPILL CLEANUP PROCEDURES

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

Wear appropriate protective equipment and clothing during clean-up.

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.

STORAGE REQUIREMENTS Storage area should be protected by appropriately designed containment to prevent release to groundwater or sewers.

Do not store this material in open or unlabeled containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE Wear chemical goggles. A full-face shield is recommended when handling this

PROTECTION material at an elevated temperature.

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 Yellowish 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	0.97g/mL @ 20.0°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 IIIB

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146.0°C **AUTO-IGNITION** FLASH POINT (°C) No data available Cleveland Open Cup **TEMPERATURE**

UPPER EXPLOSIVE LOWER

No data available No data available **EXPLOSIVE LIMIT** LIMIT

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

PRODUCTS

None known.

HAZARDOUS

POLYMERIZATION

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

EYE EFFECTS No significant eye irritation can be expected from contact with this product.

Prolonged contact with this product may cause allergic skin sensitization reactions. **SKIN EFFECTS**

ACUTE ORAL

EFFECTS (INGESTION) Not a likely route of entry.

ACUTE INHALATION

EFFECTS

Low vapor pressure makes inhalation unlikely at standard temperatures and

pressures.

No known effects. **TARGET ORGANS**

CHRONIC EFFECTS

MUTAGENCITY No information available

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TERATOLOGY No data available for this product.

REPRODUCTIVE and DEVELOPMENTAL TOXICITY

No information available.

CARCINOGENICITY

CHEMICAL NAME	DATA	AGENCY	LIST
Butulated hydroxyanicals	Supplement 7 [1987];	IARC	Group 2B Classifiable
Butylated hydroxyanisole	Monograph 40 [1986]	IARC	Carcinogens
Butylated hydroxyanisole	Present	OSHA	Select Carcinogens
	Reasonably Anticipated To	National	Reasonably
Butylated hydroxyanisole	Be A Human Carcinogen	Toxicology	Anticipated
	Be A Human Carcinogen	Program	Carcinogens

None of the components of this product are listed on the ACGIH Carcinogens List.

LETHAL DOSE (LD50 & LC50) DATA

LD50 ORALLD50 Oral Rat : 3730 mg/kg(data on amyl cinnamic aldehyde)LD50 DERMALLD50 Dermal Rabbit > 2 g/kg(data on amyl cinnamic aldehyde)

LC50 INHALATION No information available

MEDICAL
CONDITIONS
AGGRAVATED by
EXPOSURE

No information available.

ROUTES of ENTRY

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

inhalation.

OTHER

TOXICOLOGICAL INFORMATION

SKIN SENSITIZATION (ingredients): Category 1B ((data on amyl cinnamic aldehyde)

SECTION 12: ECOLOGICAL INFORMATION

UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION

AQUATIC TOXICITY Acute 2 Chronic 2

SIGNAL WORD Not applicable

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HAZARD PICTOGRAM



HAZARD STATEMENT

Toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

PREVENTION Avoid release to the environment.

Collect spillage. **RESPONSE**

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

international regulations for hazardous wastes.

ADDITIONAL ENVIRONMENTAL INFORMATION

AQUATIC TOXICTY

(fish)

No information available

AQUATIC TOXICITY

(crustacean)

No information available

AQUATIC TOXICITY

(algae)

No information available

ECOTOXICITY INFORMATION

None determined

ENVIRONMENTAL

FATE

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 & DEGRADABILITY

No information available.

BIOACCUMLATION

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DESCRIPTION

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

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GENERAL DISPOSAL CONSIDERATIONS

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	UN3082	UN3082	UN3082
UN PROPER SHIPPING NAME	Environmentally hazardous substances, liquid, n.o.s.	Environmentally hazardous substances, liquid, n.o.s.	Environmentally hazardous substances, liquid, n.o.s.
TECHNICAL NAME	containing Heptanal,2- (phenylmethylene)-	containing Heptanal,2- (phenylmethylene)-	containing Heptanal,2- (phenylmethylene)-
TRANSPORT HAZARD CLASS(ES)	9	9	9
PACKING GROUP	III	III	III

REPORTABLE No reportable quantity
QUANTITY (RQ) for this product

EMERGENCY
RESPONSE
GUIDEBOOK (ERG)
REFERENCE

171

MARINE POLLUTANT | MARINE POLLUTANT

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)

This product is listed on the U.S. EPA TSCA Inventory.

EXPORT NOTIFICATIONS

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

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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
EINECS	Europe	Yes
ELINCS	Europe	No
IECSC	China	Yes
PICCS	Philippines	Yes
ECL	Korea	Yes
AICS	Australia	Yes
TCSI	Taiwan	Yes

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.			
ī		1	
313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			
CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT

No limits established for this product.

EPCRA SECTION
311/312
CLASSIFICATION

ACUTE	Yes
CHRONIC	No
FIRE	No
PRESSURE	No
REACTIVE	No

OTHER FEDERAL REGULATIONS

The following components are identified under the Clean Air Act HON-Rule for SOCMI chemicals:

COMPONENT NAME	CASRN
No regulated components	

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The following components are iden COMPONEN		· 1	hemicals): CASRN	
No regulated components				
The following components are iden		i	Pollutants (HAP) CASRN	
No regulated components				
The following components are iden (HAP) COMPONEN		ı	ous Air Pollutants	
No regulated components	· · · · · · · · ·			
The following components are identified under the Clean Water Act: COMPONENT NAME CASRN LIST NAME				
No limits established for this produc	t.	·		
STATE RIGHT-TO-KNOW INFORMAT	ΓΙΟΝ:			
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
Butylated hydroxyanisole	25013-16-5	Confidential	carcinogen, 1/1/1990
Butylated hydroxyanisole	25013-16-5	Confidential	4000 μg/day NSRL

[†] CONCENTRATIONS 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

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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 6/3/2016 4:38:15 PM

Patrick B. Simcox

SDS APPROVED BY Manager – Health, Safety, & Environmental

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MANUFACTURER(S) Kao Corporation

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Tokyo, Japan 131-8501 Phone: 011-81-3-5630-7700

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Hazardous Material Identification System (HMIS) Hazard Ratings

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	D

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

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