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BFGoodrich Kalama Emergency Phone 1-360-673-2550 CHEMTREC 1-800-424-9300
=====**I PRODUCT INFORMATION**

PRODUCT NAME: **AMYL CINNAMIC ALDEHYDE**
CHEMICAL NAME: α -Amyl Cinnamic Aldehyde
SYNONYMS: α -Pentyl Cinnamic Aldehyde; AACA, ACA
3-Phenyl-2-Pentylpropen-2-al
 α -Normal Amyl- β -Phenylacrolein
CHEMICAL FAMILY: Aromatic Unsaturated Aldehyde
MOLECULAR FORMULA: $C_6H_5CH=C(C_5H_{11})CHO$ ($C_{14}H_{18}O$)
MOLECULAR WEIGHT: 202.30
CAS REG #: 122-40-7

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II SUMMARY OF HAZARDS**CAUTION! MAY CAUSE EYE IRRITATION**=====
III PHYSICAL PROPERTIES

APPEARANCE / ODOR: Pale yellowish to yellow liquid with a strong floral odor.
BOILING POINT: 543°F (284°C) **MELTING POINT:** Not Determined
VAPOR PRESSURE: < 0.1 mm Hg @ 68°F **SOLUBILITY IN WATER:** Negligible
SPECIFIC GRAVITY: 0.965 @ 77°F (H₂O=1) **WEIGHT PER GALLON:** 8.0 #
EVAP RATE: << 1 (Butyl Acetate = 1) **% VOLATILE:** 100
VAPOR DENSITY: 7.0 (Air=1)

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IV FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (TCC): > 200°F (93°C) **FLAMMABLE LIMITS:** Not determined
AUTOIGNITION TEMP: Not determined **DECOMPOSITION TEMP:** Not determined

FIRE and EXPLOSION HAZARDS: Decomposition under fire conditions will generate carbon monoxide and may generate other toxic vapors.

FIRE FIGHTING INFORMATION: Use CO₂, foam, or dry chemical to extinguish fire. Water can be used to cool a fire, but for extinguishment, foam or dry chemical are preferred. Avoid spreading liquid and fire by water flooding. Wear self-contained, positive pressure breathing apparatus and full firefighting protective clothing. Use water to keep containers cool.

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V HAZARD RATINGS FOR AMYL CINNAMIC ALDEHYDE

H.M.I.S. RATINGS (NPCA & NAPIM)	HEALTH FLAMMABILITY REACTIVITY	1 1 0
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I HEALTH HAZARD INFORMATION

LD50 (ORAL RAT): 3730 mg / kg LD50 (DERMAL RABBIT): Not Determined

THRESHOLD LIMIT VALUE (TLV): TLV has not been established by the ACGIH.

CARCINOGEN (IARC / NTP / 29CFR): No

NOTE: Health studies have shown that exposures to chemicals pose potential health risks which may vary from person to person. Therefore any exposure to liquids, vapors, mists , or fumes should be minimized.

ACUTE HEALTH HAZARDS:

- Inhalation: Inhalation of concentrated vapor may irritate the nose and throat.
Eye Contact: May cause eye irritation.
Skin Contact: May be irritating to skin.
Ingestion: May be harmful if swallowed.

CHRONIC HEALTH HAZARDS: No chronic health hazard information is available.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None

EMERGENCY FIRST AID:

- Inhalation: If overcome by exposure, remove to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention.
Eye Contact: In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
Skin Contact: In case of skin contact, flush with plenty of mild soap and water. Promptly remove contaminated clothing and wash thoroughly before reuse. Call a physician if irritation develops. Use good personal hygiene practices. Wash hands before eating, drinking, or smoking, or using toilet facilities.
Ingestion: If swallowed, call a physician immediately. Induce vomiting only on advice of medical personnel. Never give anything by mouth to an unconscious person.

II PROTECTIVE EQUIPMENT AND EXPOSURE CONTROL METHODS

Use with adequate local exhaust ventilation. In confined or enclosed spaces, use NIOSH approved respiratory protection. Use chemical resistant apron, gloves, and other impervious clothing to avoid skin contact. Use splash goggles and face shield when eye contact may occur. Provide safety shower equipped with an eye wash fountain in the immediate vicinity of any potential exposure.

Use good personal hygiene practices. Wash hands before eating, drinking, or smoking, or using toilet facilities. Promptly remove contaminated clothing and wash thoroughly before reuse.

(please see page 3 for additional data)

VIII

REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion will produce carbon monoxide and other potentially toxic and/or poisonous vapors.

IX

SPILL OR LEAK PROCEDURES

Remove sources of ignition, stop release, and provide adequate ventilation. Prevent flow to sewers and public waters. Recover free product, if possible. Cover spill with inert, non-combustible absorbent material and remove to disposal container. Report spill as per regulatory requirements.

Leaking drum should be emptied or placed into an oversized (recovery) drum.

X

WASTE DISPOSAL

Disposal must be made in accordance with applicable governmental regulations. Do not contaminate any streams, lakes, or ponds.

XI

ADDITIONAL PRECAUTIONS

Store as a NFPA Class IIIB liquid. Keep fire and sparks away from drums. Since empty containers retain product residue, do not cut, drill, grind, or weld on or near the container until it is thoroughly cleaned.

Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. Use adequate personal protective equipment. Comply with regulations governing confined space entry.

XII

OSHA / SARA TITLE III / TSCA INFORMATION

We have evaluated Amyl Cinnamic Aldehyde using the criteria in OSHA's Hazard Communication Rule (29CFR 1910.1200). Amyl Cinnamic Aldehyde is not considered hazardous under this OSHA standard.

Amyl Cinnamic Aldehyde is not listed as an Extremely Hazardous Substance under Section 302 of SARA Title III.

Amyl Cinnamic Aldehyde is not subject to the reporting requirements of Sections 311 or 312 of SARA Title III.

Amyl Cinnamic Aldehyde does not contain ingredients (at a level of 1% or more) on the List of Toxic Chemicals in Section 313 of SARA Title III.

Amyl Cinnamic Aldehyde is included in the current TSCA Inventory List.

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