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THE POWER OF THREE<sup>3</sup>

**PHARMCO-AAPER**

AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

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**MATERIAL SAFETY DATA SHEETS**

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Cinnamic Aldehyde

· **Product details**

· **Trade name(s):** Cinnamic Aldehyde

· **Chemical characterization:**

· **CAS No. Description**

104-55-2 2-Propenal, 3-phenyl-

· **Identification number(s)**

· **EINECS Number:** 203-213-9

· **Additional information:**

FEMA: 2286

CoE: 102

FDA: 21 CFR 182.60

Has an IFRA Standard: Restricted in finished products.

· **Hazard description:**

Xn Harmful

· **Information pertaining to particular dangers for man and environment:**

R 21 Harmful in contact with skin.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 43 May cause sensitization by skin contact.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)** 0

Health = 2

Fire = 1

Reactivity = 0

DR

· **WHMIS-ratings (scale 0 - 4)**

REACTIVITY

2

1

0

Health = 2

Fire = 1

Reactivity = 0

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **Protective equipment:** No special measures required.

· **Person-related safety precautions:** Not required.

· **Measures for environmental protection:** No special measures required.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

· **Handling:**

· **Information for safe handling:** Use standard precautions

· **Information about protection against explosions and fires:** No special measures required.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** None.

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:** Not required.

· **Additional information:** The lists that were valid during the creation were used as basis.

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· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**

Protective gloves

· **Eye protection:**

Tightly sealed goggles

Values are indicative. Consult product specification for product specific ranges.

· **General Information**

**Form:** liquid

**Color:** dark yellow

**Odor:** Characteristic

· **Change in condition**

**Melting point/Melting range:** -7°C (19°F)

**Boiling point/Boiling range:** 252°C (486°F)

· **Flash point:** 120°C (248°F)

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure at 76°C (169°F):** 1.3 hPa (1 mm Hg)

· **Density at 20°C (68°F):** 1.05 g/cm<sup>3</sup>

· **Solubility in / Miscibility with**

**Water at 18°C (64°F):** 1.4 g/l

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

· **Additional information:**

Since Cinnamic Aldehyde is easily oxidized, when storing partial empty drums it is recommended that the drums

be "padded" with nitrogen.DR

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

Oral LD50 1160 mg/kg (Guinea pig)

2225 mg/kg (Mice)

2220 mg/kg (Rat)

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Strong irritant with the danger of severe eye injury.

· **Sensitization:** Sensitization possible through skin contact.

· **General notes:** Not known to be hazardous to water

· **Product:**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **DOT regulations:**

· **Hazard class:** -

· **Land transport ADR/RID (cross-border):**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

· **Sara**

· **Section 355 (extremely hazardous substances):** Substance is not listed.

· **Section 313 (Specific toxic chemical listings):** Substance is not listed.

· **TSCA (Toxic Substances Control Act):** Substance is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:** Substance is not listed.

· **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.

· **Chemicals known to cause reproductive toxicity for males:** Substance is not listed.

· **Chemicals known to cause developmental toxicity:** Substance is not listed.

· **International Chemical Inventories**

· **DSL Canadian Domestic Substances List** Substance is listed.

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· **Australian Inventory of Chemical Substances** Substance is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Xn Harmful

· **Risk phrases:**

21 Harmful in contact with skin.

38 Irritating to skin.

41 Risk of serious damage to eyes.

43 May cause sensitization by skin contact.

· **Safety phrases:**

2 Keep out of the reach of children.

13 Keep away from food, drink and animal feedingstuffs.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: **NONE**

The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes not responsibility for the completeness or accuracy of the information contained herein