

MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

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COMMERCIAL NAME : ALDEHYDE C-14 / GAMMA UNDECALACTONE / UNDECALACTONE GAMMA / PEACH
ALDEHYDE COEUR

Corporation Identification

=== Responsible Party ===

Company Name: PEKING UNIVERSITY ZOTEQ CO.,LTD.

Country: CHINA

Info Phone Num: 86-21-36162014/24/34

Emergency Phone Num:86-21--36161061

=== Contractor Identification ===

Company Name:PEKING UNIVERSITY ZOTEQ CO.,LTD.

ADDRESS: Block 3, No.699, Zhenchen Road,

CITY:SHANGHAI

ZIP: 200444

Country: CHINA

Phone:86-21-36162014/24/34

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2. COMPOSITION / INFORMATION ON INGREDIENTS

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CHEMICAL IDENTIFICATION GAMMA-UNDECALACTONE

CAS 104-67-6

EINECS 203-225-4

FEMA 3091

CoE 179

HS CODE: 2932.2900

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3. HAZARDS IDENTIFICATION

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SEE LABEL / REGULATORY INFORMATION

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4. FIRST-AID MEASURES

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EYE CONTACT Rinse immediately with plenty of water for 10 minutes at least. Contact a physician if symptoms persist.

SKIN CONTACT Wash thoroughly with soap and water; flush with plenty of water. Take off spoiled clothes. Contact physician if symptoms persist.

INGESTION Wash the mouth with water; seek medical advice immediately.

INHALATION Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

OTHERS Take risk and safety phrases (section 15) into account.

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5. FIRE-FIGHTING MEASURES

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EXTINGUISHING MEDIA RECOMMENDED CO2, foam, dry chemicals.

NON RECOMMENDED Do not use direct waterjet on burning material.

EXTINGUISHING PROCEDURES Closed containers may build up pressure at elevated temperatures. If possible, containers should be cooled with a water spray.

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6. ACCIDENTAL RELEASE MEASURES

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PERSONAL PRECAUTIONS Use an individual protective equipment (waterproof boots, suitable protective clothing, safety glasses). Prevent any contact with hot surfaces. Do not approach facing the wind.

ENVIRONMENT PRECAUTIONS Keep away from drains, surface and groundwater and soil.

METHODS FOR CLEANING UP Contain spilled material. Cover with an inert, non-combustible, inorganic absorbent material, or sweep up, and remove to an approved disposal container. Avoid open flames or other sources of ignition.

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7. HANDLING AND STORAGE

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PRECAUTIONS IN HANDLING Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

STORAGE CONDITIONS Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Keep air contact to a minimum.

FIRE PROTECTION Keep away from ignition sources and naked flame.

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8. EXPOSURE CONTROL

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RESPIRATORY PROTECTION Avoid to breath directly on the product. Apply local ventilations when appropriate.

VENTILATION Ensure good ventilation of the work station.

HAND PROTECTION Avoid skin contact. Use chemical resistant gloves as needed.

EYE PROTECTION Use safety glasses.

WORK / HYGIENIC PRACTICES Wash hands with soap and water after handling.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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ODOR : PEACH-LIKE, FRUITY
COLOR: COLORLESS TO PALE YELLOW
APPEARANCE: CLEAR MOBILE LIQUID
FLASHPOINT (°C) 137
BOILING POINT (°C) 297
MELTING POINT (°C) -
ACID VALUE: MAX 2MG KOG/G
SPECIFIC GRAVITY: 0.942-0.9470 G/ML AT 20 °C
REFRACTIVE INDEX: 1.4465-1.4545 AT 20°C FCC

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10. STABILITY AND REACTIVITY

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REACTIVITY It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
DESCOMPOSITION Carbon monoxide and unidentified organic compounds may be formed during combustion.

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11. TOXICOLOGICAL INFORMATION

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LD 50 ORAL/RAT (mg/Kg) 18500
LD 50 DERMAL/RABBIT (mg/Kg) -
REMARKS NON IRRITATING (HUMAN,2% MINERAL OIL,48H)

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12. ECOLOGICAL INFORMATION

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BIODEGRADABILITY Not determined.
PRECAUTIONS Prevent contamination of soil, ground and surfacewater.

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13. DISPOSAL CONSIDERATIONS

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In accordance with local environmental laws. Avoid disposing into drainage systems and into the environment.

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14. TRANSPORT REGULATIONS

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CLASS PACK GROUP UN-No.
ROAD (ADR/RID) NR -YES
AIR (IATA) NR - YES
SEA NR - YES

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15. REGULATORY INFORMATION

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HAZARDS

SYMBOLS

R. PHRASES : R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S. PHRASES : S61 Avoid release to the environment, Refer to special instructions / Safety data sheets.

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16. OTHER INFORMATION

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Information listed on this sheet is to the best of our knowledge reliable. However, users should do their own tests to decide the suitability of our products for their own application purpose. Data listed herein should not be considered as a guarantee of any kind, no liability is accepted for the infringement of any patents.

FOR IFF ONLY