


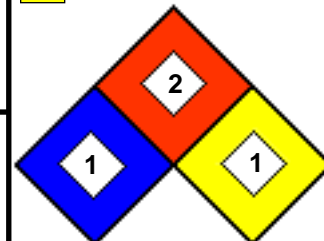


Material Safety Data Sheet

Firmenich

NFPA HAZARD CLASSIFICATIONS

 = Health
 = Flammability
 = Reactivity



FOR INFORMATION OR IN AN EMERGENCY CALL 1-609-452-1000 (from 9:00 AM to 5:00 PM EST. M-F), FOR ALL OTHER TIME PERIODS CALL CHEMTREC @ 1-800-424-9300 or 1-703-527-3887.

I. IDENTIFICATION

Item reference: DELPHONE

Chemical Name: Cyclopentanone, 2-pentyl-

Synonyms: 2-PENTYLCYCLOPENTANONE; DELPHONE

Chemical Abstract Registry Number: 0004819-67-4

FEMA Number: None

II. PHYSICAL DATA

Specific gravity 25/25C (Water = 1): 0.89

Vapor pressure (At 20C in mm Hg): VP < 0.1 mm

Solubility in water: Negligible

Vapor density (Air = 1): > 1

Physical state: LIQUID

Odor description: FLORAL; FRUITY

III. FIRE AND EXPLOSION HAZARD INFORMATION

Flash point(Clos. cup): 187 Fahrenheit (86 Centigrade)

Combustible liquid by OSHA classification.

Extinguishing media: Foam, carbon dioxide or dry chemical

Unusual Fire And Explosion Hazards:

None.

Hazardous Combustion Products:

Burning liberates carbon monoxide, carbon dioxide and smoke.

Fire Fighting Procedures:

Use standard procedures and preferred extinguishing media as stated above.




IV. REACTIVITY INFORMATION

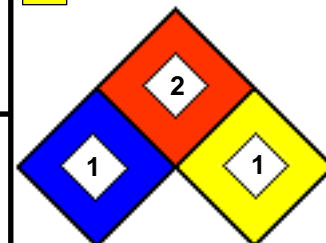
Stability:

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Presents no significant reactivity hazard. Normally stable even at elevated temperatures and pressures. Not pyrophoric nor reactive with water. Does not undergo explosive decomposition, is shock stable, and is not an oxygen donor. Does not form explosive mixtures with other organic materials. Will not undergo hazardous exothermic polymerization.

Incompatibility (Materials To Avoid):

Avoid strong oxidizing agents.

V. HEALTH HAZARD INFORMATION

Threshold limit value (TLV): Not established

OSHA permissible exposure limit (PEL): Not established

Short term exposure limit (STEL): Not established

LD-50 Data:

Oral Rat 5010 mg/kg

Health Hazard Determination:

No known health hazard.

VI. EMERGENCY AND FIRST AID PROCEDURES

Eye (Contact):

In the event of contact with the eyes, irrigate with water for at least ten minutes; obtain medical advice if irritation persists.

Skin (Contact):

Remove contaminated clothes. Wash affected area with water. If irritation persists, obtain medical advice.

Ingestion (Swallowing):

In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.

Other:

None.



VII. SPILL OR LEAK PROCEDURES

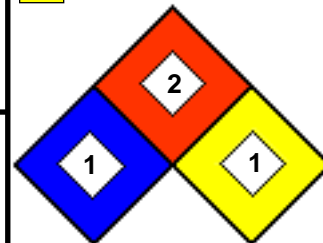
Steps To Be Taken If Material Is Released Or Spilled:

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Remove leaking containers to a well ventilated area. Standard absorbents can be used. Small spills can be wiped up with a cloth or paper. Standard absorbents can be used (saw dust, sand, vermiculite).

Waste Disposal Method:

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection:

None Required.

Ventilation:

General - open containers in a well ventilated area.

Protective Gloves:

None.

Eye protection:

None.

Other protective equipment:

None.

IX. SPECIAL PRECAUTIONS

Precautions (Handling and Storing):

Keep away from heat and flame. Keep container closed when not in use.

X. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III NOTIFICATION

This chemical is NOT subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 29 CFR Part 1910.1200.

MATERIAL SAFETY DATASHEET PREPARED BY FIRMENICH 15-OCT-2001