

# Kao Corporation, S.A.

Member of KAO CHEMICALS EUROPE

## SAFETY DATA SHEET

Conforms to 91/155/EEC - 2001/58/EC



### PHENYL HEXANOL

#### 1. Identification of the substance/preparation and of the company/undertaking

**Product name** : PHENYL HEXANOL  
**Code** : 3009128  
**Chemical product name** : benzenepentanol, .gamma.-methyl-  
**Manufacturer** : Kao Corporation  
1-3, Bunka 2-Chome, Sumida-ku, Tokyo 131-8501 - JAPAN  
Tel. +81 3 5630 7700 . Fax +81 3 5630 7889  
**Supplier** : Kao Corporation, S.A.  
Puig dels Tudons, 10 - 08210 BARBERÀ DEL VALLÈS (Barcelona)  
- SPAIN  
Telf. 937399 300. Fax 937399 333  
**Emergency telephone number** : +81-3-5630-7700  
**Material uses** : Perfume oil mixtures and blends consisting of products ready for use in finished perfume bases.

#### 2. Composition/information on ingredients

**Substance/preparation** : Substance

**Hazardous ingredients** :

Chemical name*	CAS No.	%	EC number	Classification
benzenepentanol, .gamma.-methyl- See section 16 for the full text of the R Phrases declared above	55066-48-3	25 - 100	259-461-3	Xn; R22

Following European Directives and National Regulations, only the dangerous ingredients are disclosed in the above table.

\* Occupational Exposure Limit(s), if available, are listed in section 8

#### 3. Hazards identification

The substance is classified as dangerous according to Directive 67/548/EEC and its amendments.

**Classification** : Xn; R22  
**Human health hazards** : Harmful if swallowed.

See section 11 for more detailed information on health effects and symptoms.

## 4. First aid measures

### First aid measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

## 5. Fire-fighting measures

- Extinguishing media** : Use an extinguishing agent suitable for surrounding fires.
- Special exposure hazards** : No specific hazard.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>).
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

## 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- Environmental precautions and clean-up methods** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Do not ingest. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

### Packaging materials

- Recommended** : Use original container.

## 8. Exposure controls/personal protection

### Exposure controls

- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hand protection** : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
>8 hour(s) (breakthrough time): disposable vinyl
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.  
Recommended: splash goggles, safety glasses with side shields

## PHENYL HEXANOL

- Remark** : The penetration-time of the recommended gloves depend not only on the material. Also other factors may have influence on the penetration-time , as the thickness of them or the specific use or conditions (temperature). In any case, certificate materials (for example following EN 374) should be selected. Please ask your supplier, if the gloves are suitable for the intended use.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  
Body: Recommended:lab coat, overall  
Feet: Recommended:neoprene

## 9. Physical and chemical properties

### Appearance

- Physical state** (20°C) : Liquid.
- Color** : Colorless.
- Odor** : Same as standard sample
- Flash point** : Closed cup: >100°C (212°F). (P.M.C.C.) Open cup: 158°C (316.4°F) (COC).
- Vapor pressure** : <0.1 mmHg (20 °C)
- Density** : 0.96 to 0.96 g/cm<sup>3</sup> (20 °C) (Automatic densitometer)
- Solubility** : Soluble in methanol.  
Very slightly soluble in cold water.
- Dispersion properties** : See solubility in water, methanol.
- Viscosity ( Kinetic )** : 0 cSt

## 10. Stability and reactivity

- Stability** : The product is stable.
- Hazardous decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>).
- Other Information** : When burning can generate carbon dioxide and carbon monoxide.

## 11. Toxicological information

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : Harmful if swallowed.
- Skin contact** : No known significant effects or critical hazards.
- Contact sensitisation** : No specific information is available in our database regarding the other toxic effects of this material for humans.
- Eye contact** : No known significant effects or critical hazards.

### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
benzenepentanol, .gamma.-methyl-	LD50	1850 mg/kg	Oral	Rat
	LD50	2500 mg/kg	Oral	Rat
	LD50	3100 mg/kg	Dermal	Rabbit
	LD50	>5000 mg/kg	Dermal	Rabbit

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Skin** : No known significant effects or critical hazards.

## 12. Ecological information

- Other adverse effects** : No known significant effects or critical hazards.  
**Additional information** : Prevent contamination of soil, ground and surface water.

## 13. Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste

## 14. Transport information

### International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.	-	-			Not available.
IMDG Class	Not regulated.	-	-			-
IATA-DGR Class	Not regulated.	-	-			Not available.

## 15. Regulatory information

### EU Regulations

**Hazard symbol(s)** :



Harmful

**Risk Phrases** : R22- Harmful if swallowed.

**Safety Phrases** : Not applicable.

**Contains** : benzenepentanol, .gamma.-methyl-

**Product use** : Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.  
 - Industrial applications.

**Other information** : Not available.

### Other EU regulations

**Additional warning phrases** : Not applicable.

**Restriction to market directive** : Not applicable.

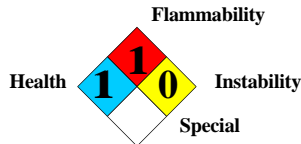
**EC Statistical classification (Tariff Code)** : 2906290090

**Germany**

**Hazardous incident ordinance** : No.  
**Ordinance on combustible liquids** : Class: Omitted  
**Technical instruction on air quality control** : Not available.  
**Hazard class for water** : 2

**U.S.A.**

**National Fire Protection Association (U.S.A.)**



**16. Other information**

Indicates information that has changed from previously issued version.

**Full text of R phrases referred to in Sections 2 and 3** : R22- Harmful if swallowed.  
**Full text of classifications referred to in Sections 2 and 3** : Xn - Harmful  
**Key data sources** : Not available.  
**Revision comments** : Not available.

**History**

**Product code** : 3009128  
**Date of printing** : **14/03/2005**  
**Date of issue** : 18/02/2005  
**Date of previous issue** : 21/07/2004  
**Version** : 4.1  
**Form** : KCE SDS F EU

**Notice to reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*