



SAFETY DATA SHEET

According to GHS Globally Harmonised System

1173

1. IDENTIFICATION OF THE SUBSTANCE / UNDERTAKING

Product identifier

Product name: 2-Hydroxy-2-methyl-1-phenyl-1-propanone

CAS number: 7473-98-5

EINECS number: 231-272-0

Trade name: VL-1030

Recommended use of the chemical and restrictions on use

Relevant identified uses: 1173 is mainly used in UV curable clear coatings based on acrylates for paper, wood, metal and plastic materials.

Uses advised against: No data available.

2. HAZARDS IDENTIFICATION

GHS classification of the substance/mixture

According to Regulation (EC) No1272/2008

Not a hazardous substance.

According to European Directive 67/548/EEC as amended.

Not a hazardous substance.

Label elements

Not a hazardous substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients information

<i>Chemical name</i>	<i>synonyms</i>	<i>EC No.</i>	<i>CAS No.</i>	<i>Classification according to GHS</i>	<i>Concentration</i>
1-Hydroxycyclohexyl phenyl ketone	2-Hydroxy-2-methylpropiophenone	231-272-0	7473-98-5	---	98+%

Additional information

Full text H-statement(s):see section 16.

The rest unspecified ingredients are impurities, and they are not hazard.

4. FIRST AID MEASURES

Description of first aid measures

Skin contact: Wipe with absorbent paper or textile towels. Wash off with soap and plenty of water. Do not use organic solvents.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.



- Ingestion:** Immediately give plenty (> 500 ml) of water (if possible charcoal slurry). In case of spontaneous vomiting be sure that vomitus can freely drain due of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice.
- Inhalation:** Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, seek medical attention. In case of prolonged exposure, seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water spray, Foam, Carbon dioxide (CO₂), Dry powder

Unsuitable extinguishing media: High volume water jet.

Special hazard arising from the substance or mixture

Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.

Special protective equipment and precautions for firefighters

Wear full protective clothing. Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental precautions

Do not flush into surface water, sanitary sewer or ground water system

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect the spilled product into suitable containers, which must be tightly sealed and properly labeled.

7. HANDLING AND STORAGE

Precautions for safe handling

Harmful. Dangerous for the environment. Handle and open container with care. Avoid vapour formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.

Conditions for safe storage

Keep away from food and drink. Store in the original container securely closed. This product can form an ignitable vapour/air mixture. Take precautionary measures against static discharges, e.g. by using proper earthing techniques.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limit values: internal exposure limit (8 hour time weighted average)



Value:6.0 mg/m3

Justification to exposure limit

Exposure limit for inhalable dust.

Appropriate engineering controls

Exposure limit(s) should be monitored using suitable analytical equipments.

Individual protection measures –personal protective equipment

Respiratory: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Protective gloves.

Eye protection: Suitable goggles or face protection.

Skin protection: Working clothes , Closed footwear.

Environmental exposure controls

Do not allow material to be released to the environment without the proper governmental permits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

State: Liquid

Color: Colorless to pale yellow

Odor: Characteristic odor

Melting/freezing temperature: 4 °C

Boiling point/range: 260.8 °C

Density 20 °C: 1.08 g/cm3

Flash point: 110 °C

Ignition Temperature: not tested

Oxidising properties: not tested

Self-ignition temperature: not tested

Water solubility 20 °C: ca 0.9 %

Vapour pressure 20 °C: 1 Pa

Partition coe.; Log Pow 20 °C : 1.62

pH-value: not tested

Explosive properties: not tested

10. STABILITY AND REACTIVITY

Decomposition temperature



> 250 °C

Conditions to avoid

Static discharges.

Materials to avoid

Strong acids, strong bases and strong oxidising agents.

Hazardous decomposition products

Oxides of carbon, Toxic gases/vapours

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

Acute toxicity: No data available.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available.

Biodegradability

No data available.

Ecotoxic effects

Do not discharge product uncontrolled into the environment.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

Contaminated packaging

Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

14. TRANSPORT INFORMATION

ADR/RID

Free

IMO

Free

ICAO



Free

15. REGULATORY INFORMATION

US federal and state regulations

TSCA: CAS # 7473-98-5 is listed on the TSCA Inventory.

European union regulations

EINECS: CAS # 7473-98-5 is listed on the Inventory.

China regulation

IECSC: CAS# 7473-98-5 is listed on the IECSC inventory.

Other chemical inventories

Canada - DSL: CAS # 7473-98-5 is listed on the Inventory.

Australia AICS CAS # 7473-98-5 is listed on the Inventory.

New Zealand: CAS # 7473-98-5 is listed on the Inventory.

Japan ENCS: CAS # 7473-98-5 is listed on the Inventory.

Korea ECL: CAS # 7473-98-5 is listed on the Inventory.

Philippines PICCS : CAS # 7473-98-5 is listed on the Inventory.

16. OTHER INFORMATION

Relevant H-statement(s)

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Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

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