



SAFFTY DATA SHEET

According to GHS Globally Harmonised System

NO:VL-2030

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product identifier

Product name: Diphenyl ketone

CAS number: 119-61-9

EINECS number: 204-337-6

Trade name: BP

Recommended use of the chemical and restrictions on use

Relevant identified uses: Photo initiator for UV-cure. IHT-PI BP is mainly used in UV curable systems, such as pigmented coatings. There will be a good improvement in performance when it is combined with amine synergists.

Uses advised against: No data available.

Detail of the supplier of the product

Company name:

Address:

E-mail:

Telephone:

Fax:

Web:

2. HAZARDS IDENTIFICATION

Classification of the substance/mixture

Not a hazardous substance.

Label elements

Not a hazardous substance.

Other Hazard

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS



Ingredients information

Chemical name	synonyms	EC No.	CAS No.	Classification according to GHS	Concentration
Diphenyl ketone	Diphenylmethanone	204-337-6	119-61-9	—	99.5%

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

- General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- Skin contact:** Wash off with soap and plenty of water. Consult a physician.
- Eye contact:** Flush eyes with water as a precaution.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazard arising from the substance or mixture

Carbon oxides

Special protective equipment and precautions for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.



Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limit values: No data available

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures –personal protective equipment

Respiratory: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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: Flakes

Color: White

Odour: rose-like - strong odor

Melting/freezing temperature: 47-51°C

Boiling point/range 98.3 kPa: 305.4°C

Density 20 °C: 1.087 g/cm³

Flash point: 138 °C - closed cup

Ignition Temperature: 380°C

Oxidising properties: No data available.



Self-ignition temperature: No data available.

Water solubility 20 °C: 0.13 g/L

Vapour pressure 25 °C: 8.23E-4 Torr

Partition coe.; Log Pow 20-25 °C ; No data available.

pH-value: No data available.

Explosive properties: No data available.

10. STABILITY AND REACTIVITY

Decomposition temperature

No data available.

Conditions to avoid

No data available.

Materials to avoid

Strong oxidizing agents, Strong reducing agents

Hazardous decomposition products

No data available.

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

Acute toxicity: Acute oral toxicity :LD50> 10000 mg/kg (Rat)

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

Not readily biodegradable.

Ecotoxic effects

Do not discharge product uncontrolled into the environment.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent



and burn in a chemical incinerator equipped with an afterburner and scrubber..

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

Not dangerous goods.

IMO

Not dangerous goods.

ICAO

Not dangerous goods.

15. REGULATORY INFORMATION

US federal and state regulations

TSCA: CAS # 119-61-9 is listed on the TSCA Inventory.

European union regulations

EINECS: CAS #119-61-9 is listed on the Inventory.

China regulation

IECSC: CAS#119-61-9 is listed on the IECSC inventory.

Other chemical inventories

Canada - DSL: CAS #119-61-9 is listed on the Inventory.

Australia AICS: CAS #119-61-9 is listed on the Inventory.

New Zealand: CAS #119-61-9 is listed on the Inventory.

Japan ENCS: CAS #119-61-9 is listed on the Inventory.

Korea ECL: CAS #119-61-9 is listed on the Inventory.

Philippines PICCS : CAS #119-61-9 is listed on the Inventory.

Switzerland Swiss: CAS #119-61-9 is listed on the Inventory.

16. OTHER INFORMATION

Relevant H-statement(s)

H410: Very toxic to aquatic life with long lasting effects.

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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