



SAFETY DATA SHEET

DIISOBUTYL KETONE

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: DIISOBUTYL KETONE
Recommended use: Chemical for industrial
Manufacturer/Supplier: **MODERN CHEMICAL CO.,LTD.**
82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63,
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2. HAZARDS IDENTIFICATION

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

- 1.) Highly flammable liquid and vapour.
- 2.) Causes skin irritation.
- 3.) May be fatal if swallowed and enters airways.
- 4.) May cause drowsiness or dizziness.
- 5.) Toxic to aquatic life with long lasting effects.
- 6.) May damage the unborn child. Suspected of damaging fertility.

Precautionary statement(s)

- 1.) Keep away from heat/sparks/open flames/hot surfaces. - No smoking.



- 2.) Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 3.) Avoid release to the environment.
- 4.) IF SWALLOWED: call a doctor/physician. Do NOT induce vomiting.
- 5.) IF IN EYES: Rinse cautiously with water for 15 minutes.
- 6.) IF ON SKIN Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: Di-iso-butyl ketone, 2,6-Dimethyl-4-heptanone, Isobutyl ketone, DIBK

Ingredients	% (w/w)	CAS NO.
DIISOBUTYL KETONE	100	108-83-8

4. FIRST AID MEASURES

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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

No data available

Specific hazards arising from Chemicals:

Carbon oxides

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling & Product Transfer:

Normal measures for preventive fire protection.

Conditions for Safe Storage & Unsuitable Materials:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No data available

Appropriate Engineering Controls: No data available

Individual Protection Measures

Respiratory protection: Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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

Skin 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: No data available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form, Color and Odor: liquid, colourless characteristic	Evaporation rate: N/A
Melting Point: -41 °C	Specific gravity: 0.81 g/cm ³ at 20 °C
pH: N/A	Solubility in water: Soluble
Boiling point: 163-167 °C	Viscosity: 4.7 mPa.sec
Vapour pressure: 1.6 hPa at 20 °C	Vapour density: 2.6 g/l
Lower explosive limits: 0.8 %Vol	Upper explosive limits: 7.1% Vol
Auto-ignition temperature: 345 °C	Flash Point: 49 °C
Odour threshold: N/A	Flammability (solid, gas): N/A
Decomposition temperature: N/A	Solubility in other solvents: N/A
n-octanol/water partition coefficient (log P_{ow}): N/A	

10. STABILITY AND REACTIVITY

Chemical stability: No data available

Reactions: No data available

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Materials to avoid: Strong bases, Strong oxidizing agents, Strong acids, Strong reducing agents

Hazardous decomposition products: Other decomposition products - No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data available

Sensitization: Inhalation : May be harmful if inhaled. May cause respiratory tract irritation.

May be harmful if swallowed.

May be harmful if absorbed through skin. May cause skin irritation.

May cause eye irritation.

Chronic toxicity: No data available

Further toxicological information: No data available



12. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish: No data available

Toxicity to algae No data available

Toxicity to bacteria No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Biodegradability Remarks: No data available

Bioaccumulative Potential: No data available

Mobility: No data available

Affected in any other way: No data available

13. DISPOSAL CONSIDERATIONS

Material Disposal: Offer surplus and non-recyclable solutions to a licensed disposal company.

Container Disposal: Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-No: 1157 Class: 3 Packing group: III

Proper shipping name: DIISOBUTYL KETONE

IMDG

UN-No: 1157 Class: 3 Packing group: III

Marine pollutant: No

Proper shipping name: DIISOBUTYL KETONE

IATA

UN-No: 1157 Class: 3 Packing group: III

Proper shipping name: Diisobutyl ketone

15. REGULATORY INFORMATION

GHS - Labelling:

Hazard statement(s)

H226 Flammable liquid and vapour.

H315 Causes skin irritation.



H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Hazard symbol(s)

Xi Irritant

R-phrases(s)

R10 Flammable

R37 Irritating to respiratory system

R37/38 Irritating to respiratory system and skin

R41 Risk of serious damage to eyes

S-phrase(s)

Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure

16. OTHER INFORMATION

Modern Chemical Co.,Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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