



SAFETY DATA SHEET

KEROSENE

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

Product name: KEROSENE
Recommended use: Chemical for industry
Manufacturer/Supplier: MODERN CHEMICAL CO.,LTD.
82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63,
Klong Tan Nuea, Watthana, Bangkok 10110
Telephone No: 0-2715-0897-9, 0-2392-3410-3
Fax No: 0-2715-0908-9, 0-2391-1571-2
Emergency Telephone No: 0-2715-0897-9, 0-2392-3410-3

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: Coal oil, Fuel Oil, Kerosine, Petroleum, Hydrodesulfurized

Ingredients	% (w/w)	CAS NO.
KEROSENE	100	8008-20-6

4. FIRST AID MEASURES

General advice:

Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.

Inhalation:

Call a physician or poison control center immediately. Move to fresh air. If unconscious place in recovery position and seek medical advice.

Skin contact:

If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

Eye contact:

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Ingestion:

Keep respiratory tract clear. **Do NOT induce vomiting.** Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Dry chemical. Carbon dioxide (CO₂). Alcohol-resistant foam.

Unsuitable Extinguishing Media:

High volume water jet.

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: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and Material for Containment and Clean Up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure -obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance

Conditions for Safe Storage & Unsuitable Materials:

Prevent unauthorized access. No smoking. 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. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: TWA 525 ppm

Appropriate Engineering Controls: No data available

Individual Protection Measures

Respiratory protection: In the case of vapor formation use a respirator with an approved filter.

Hand protection: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection: Eye wash bottle with pure water. Tightly fitting safety goggles.



Skin and body protection: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor: liquid, colourless, characteristic	Evaporation rate : N/A
Melting Point: N/A	Specific gravity : 0.775-0.840 g/cm ³ at 15.6 °C
pH: N/A	Solubility in water : Not Soluble
Boiling: 144-300 °C	Viscosity : N/A
Vapour pressure: < 0.1 kPa at 40 °C	Vapour density: 4.5 g/l
Lower explosion limits: 1.0 %Vol	Upper explosive limit: 6.0 %Vol
Auto-ignition temperature: >220 °C	Flash point: > 38 °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 Heat, sparks, fire, and oxidizing agents.

Materials to be avoided: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: No data available

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50: > 5000 mg/kg

Sensitization: No data available

Repeated dose toxicity: No data available



Carcinogenicity: No data available

Teratogenicity: No data available

12. ECOLOGICAL INFORMATION

Acute Toxicity Fish: LC50: 20 mg/l
Exposure time: 96 HR
Species: Oncorhynchus mykiss (rainbow trout)

Aquatic Invertebrates: LC50: 21 mg/l
Exposure time: 48 HR
Species: Daphnia magna (Water flea)

Algae: EL50: 15 mg/l
Exposure time: 72 HR
Species: Selenastrum capricornutum (algae)

Persistence/degradability: Expected to be ultimately biodegradable

Biodegradability remark: 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: The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Container Disposal: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

ADR/RID

UN-No: 1223

Class: 3

Packing group: III

Hazchem Code: 3[Y]

Proper shipping name: KEROSENE



IMDG

UN-No: 1223

Class: 3

Packing group: III

Marine pollutant: Yes

Proper shipping name: KEROSENE

IATA

UN-No: 1223

Class: 3

Packing group: III

Proper shipping name: Kerosene

15. REGULATORY INFORMATION

GHS - Labelling:

Hazard statement(s)

No data available

Precautionary statement(s)

No data available

Hazard symbol(s)

No data available

R-phrase(s)

No data available

16. OTHER INFORMATION

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