



SAFETY DATA SHEET

ISOPAR H FLUID

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

| | |
|-------------------------|--|
| Product name: | ISOPAR H FLUID |
| Recommended use: | Chemical for industrial |
| 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.) Causes skin irritation.
- 2.) May be fatal if swallowed and enters airways.
- 3.) May cause drowsiness or dizziness.
- 4.) Toxic to aquatic life with long lasting effects.
- 5.) May damage the unborn child. Suspected of damaging fertility.

Precautionary statement(s)

- 1.) Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 2.) Avoid release to the environment.



- 3.) IF SWALLOWED: call a doctor/physician. Do NOT induce vomiting.
- 4.) IF IN EYES: Rinse cautiously with water for 15 minutes.
- 5.) IF ON SKIN Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: N/A

| Ingredients | % (w/w) | CAS NO. |
|----------------|---------|------------|
| ISOPAR H FLUID | 100 | 64742-48-9 |

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. Consult a physician.
- Skin contact:** Wash off with soap and plenty of water. Consult a physician.
- Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Ingestion:** **Do NOT induce vomiting.** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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:

No data available

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURE

- Precautions:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe



areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Material for Containment and Clean Up:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for Safe Storage & Unsuitable Materials:

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No data available

Appropriate Engineering Controls: While handling a small amount of chemicals, use the local ventilation apparatus. While handling a great quantity of chemicals isolate the workers and work space.

Individual Protection Measures

Respiratory protection: In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Hand protection: Imperious gloves composed of Butyl rubber, Saranex, or Viton is better.

Eye protection: Wear chemical goggles.

Skin and body protections: Coveralls working clothes and working boots composed of Butyl rubber, Saranex, or Viton.

Hygiene measures: Take off the clothes of pollution as quickly after the work. Forbid smoking or diet in the workplace. After dealing with the material, must wash hands completely. Keep the working place clean.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

| | |
|--|--|
| Form, Color and Odor : liquid, Colorless , Scentless | Evaporation rate : N/A |
| Melting Point : N/A | Specific gravity : 0.756-0.761 g/cm ³ at 20 °C |
| pH : N/A | Solubility in water : Insoluble |
| Boiling point : 171-191°C | Viscosity : v |
| Vapour pressure : N/A | Vapour density (air=1) : 5.4 at 101 kPa |
| Lower explosive limits : 0.7%Vol | Upper explosive limits : 5.4%Vol |
| Auto-ignition temperature : 365°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: | Heat |
| Materials to avoid: | Strong oxidizing agents |
| Hazardous decomposition products: | No data available |

11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute toxicity: | LD50 (Oral –rat): >5000 mg/kg LD50 (Dermal – rabbit): >5000 mg/kg LC50 (Inhalation- rat): >5000 mg/m ³ |
| Sensitization: | Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. If contact to eye: May cause skin irritation. Causes 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 daphnia and other aquatic invertebrates: | No data available |
| Toxicity to algae | No data available |
| Toxicity to bacteria | 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: | Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. |
| Container Disposal: | Dispose of as unused product. |

14. TRANSPORT INFORMATION

ADR/ADNR

| | | |
|--|-------------|--------------------|
| UN- NO: 3295 | Class: 3 | Packing Group: III |
| Hazchem Code: 3Y | Label(s): 3 | |
| Proper shipping Name: HYDROCARBONS, LIQUID, N.O.S. | | |

IMGD

| | | |
|--|----------------------|--------------------|
| UN- NO: 3295 | Class: 3 | Packing Group: III |
| Label(s): 3 | EMS Number: F-E, S-D | |
| Marine Pollutant: No | | |
| Proper shipping Name: HYDROCARBONS, LIQUID, N.O.S. | | |

Transport Document Name: UN3295, HYDROCARBONS, LIQUID, N.O.S., 3 PG III, (54°C c.c.)

SEA (MARPOL 73/78 Convention – Annex II)

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|--|
| Product Name: NOXIOUS LIQUID, N.F.,(7) N.O.S., (ISOPAR H, contains iso-and cycloalkanes (C10-C11)) |
| Ship type: 3 |
| Pollution category: Y |



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IATA

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15. REGULATORY INFORMATION

GHS-Labeling

Hazard statement(s):

No data available

Precautionary statement(s):

No data available

R - phrase(s):

No data available

S - phrase(s):

No data available

16. Other Information

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