



SAFETY DATA SHEET

SOLVENT D40

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

Product name: SOLVENT D40

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.) 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: No data available

Ingredients	% (w/w)	CAS NO.
SOLVENT D40	100	64742-48-9

4. FIRST AID MEASURES

- General advice:** Show this safety data sheet to the doctor in attendance.
- Inhalation:** Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
- Skin contact:** Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
- Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance.
- Ingestion:** Seek immediate medical attention. **Do not induce vomiting.**

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Extinguish with carbon dioxide,dry chemical or form.In the event of fire,cool tanks with water spray.

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 and protective suit.



6. ACCIDENTAL RELEASE MEAS

Precautions: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental precautions: Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

Methods and Material for Containment and Clean Up:

Land Spill: Stop leak if you can do so without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Recover by pumping or with suitable absorbent.

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source).

Conditions for Safe Storage & Unsuitable Materials:

The container choice, for example storage vessel, may effect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No data available

Appropriate Engineering Controls: The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Ventilation hoods and fans required when working with organic solvents or in hot melt applications.

Individual Protection Measures

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:



- Hand protection:** Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:
- Eye protection:** If contact is likely, safety glasses with side shields are recommended.
- Skin and body protections:** Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:
- Chemical/oil resistant clothing is recommended.
- Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor: liquid, Colorless, Characteristic	Evaporation rate: N/A
Melting Point: N/A	Specific gravity: 0.770-0.790 g/cm ³ at 15 °C
pH: N/A	Solubility in water: Not Soluble
Boiling point: 150-196 °C	Viscosity: 1.03 mm ² /sec at 40 °C
Vapour pressure: N/A	Vapour density (air=1): N/A
Lower explosive limits: 0.6%Vol	Upper explosive limits: 7.0%Vol
Auto-ignition temperature: >200°C	Flash point: >40 °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:	Material is stable under normal conditions.
Reactions:	No data available
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources.
Materials to avoid:	Strong oxidisers
Hazardous decomposition products:	Material does not decompose at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50 (oral, rat): >10,000 mg/kg LD50 Deraml – rabbit – 3,160 mg/kg
Sensitization:	After inhalation; Irritation symptoms in the respiratory tract, drowsiness. After skin contact: Slightly irritations. Drying out effect resulting in rough and chapped skin. Danger of skin absorption. After eyes contact: Slight irritations. After swallowing; nausea. After accidental swallowing the substance may pose a risk of aspiration. Passage into the lung (vomiting) can result in a condition resembling pneumonia (chemical pneumonitis). After absorption: Headache, dizziness, agitation, spasms, unconsciousness. Can not be excluded: Cardiovascular failure and respiratory paralysis.
Chonic toxicity:	Animal experiments suggest that the substance may lead to an impairment of reproductive performance also man.
Further toxicological information:	The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Toxicity	
Toxicity to fish:	LC50 – Lepomis macrochirus – 1.300 mg/l – 96 h
Toxicity to daphnia and other aquatic invertebrates:	No data available
Toxicity to algae	IC50 – Desmodesmus subspicatus (green algae)-> 100 mg/l – 24 h
Toxicity to bacteria	LC50 – Pseudomonas putida – 1.170 mg/l – 16 h
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: Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

Container Disposal: Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

14. TRANSPORT INFORMATION

ADR

UN-NO: 3295 Hazard Class: 3 Packing group: III

Proper Shipping Name: HYDROCARBON, LIQUID,N.O.S.

IMDG

UN-NO: 3295 Hazard Class: 3 Packing group: III

Proper Shipping Name: HYDROCARBON, LIQUID,N.O.S.

IATA

UN-NO: 3295 Hazard Class: 3 Packing group: III

Proper Shipping Name: HYDROCARBON, LIQUID,N.O.S.

15. REGULATORY INFORMATION

GHS – Labelling:

Harzard statement(s)

H225 Highly flammable liquid and vapor.

H350 May cause cancer.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.



P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 Keep container tightly closed.

P240 Ground/Bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use non-sparking tools.

P243 Take precautionary measures against static discharge.

P273 Avoid release to the environment.

P280 Wear protective glove/eye protection/face protection.

P301 + P310 IF SWALLOWED Immediately call a POISON CENTER or doctor/physician.

P303 + P361 + P353 IF ON SKIN (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P331 Do NOT induce vomiting.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Hazard symbol(s)



F Highly flammable

Xn Harmful

N Dangerous for the environment.

R - phrase(s)

R11 Highly flammable.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

S - phrase(s)

S 9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition. - No smoking.

S23 Do not breathe vapor.

S24 Avoid contact with skin.



S33 Take precautionary measures against static discharges.

S61 Avoid release to the environment. Refer to special instructions/ safety data sheet.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. Other Information

Modern Chemical Co.,Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensive 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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