



SAFETY DATA SHEET

SOLVENT 3040

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

Product name: SOLVENT 3040

Recommended use: Chemical for industrial

Manufacturer/Supplier: **MODERN CHEMICAL CO.,LTD.**
82/80 Soi Eakamai 22 (Nuan-noi) Sukhumvit Road 63,
North Klong Ton, Wattana, Bangkok 10110

Telephone No: (662) 715-0897-9, (662) 392-3410-3

Fax No: (662) 715-0908-9, (662) 391-1571-2

Emergency Telephone No: (662) 715-0897-9, (662) 392-3410-3

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: Pegasol 3040, WS200, Mineral spirits, White Spirits

Ingredients	% (w/w)	CAS NO.
SOLVENT 3040	100	8052-41-3

4. FIRST AID MEASURES

- General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation:** Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
- Skin contact:** Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.
- Eye contact:** Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
- Ingestion:** If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.

Unsuitable Extinguishing Media:

Do not use water in a jet.

Specific hazards arising from Chemicals:

Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.



Special protective equipment for fire-fighters:

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet.

Environmental Precautions:

Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment (of product and fire fighting water) to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Methods and Material for Containment and Clean Up:

For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water.

Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Avoid contact with skin, eyes and clothing. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≤ 1 m/sec until fill pipe submerged to twice its diameter, then ≤ 7 m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging, or



handling operations. Handle and open container with care in a well-ventilated area. Ventilate workplace in such a way that the Occupational Exposure Limit (OEL) is not exceeded. Do not empty into drains.

Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≤ 1 m/sec until fill pipe submerged to twice its diameter, then ≤ 7 m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. If positive displacement pumps are used, these must be fitted with a non-integral pressure relief valve.

Conditions for Safe Storage & Unsuitable Materials:

Must be stored in a diked (bunded) well-ventilated area, away from sunlight, ignition sources and other sources of heat. Bulk storage tanks should be diked (bunded). Keep away from aerosols, flammables, oxidizing agents, corrosives and from other flammable products which are not harmful or toxic to man or to the environment.

Storage Temperature: Ambient. Avoid prolonged contact with natural, butyl or nitrile rubbers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: TWA 100 ppm (55 mg/m^3)

Appropriate Engineering Controls:

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines

Individual Protection Measures

Respiratory protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for organic gases and vapours [boiling point >65 °C (149 °F)] meeting EN141. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus.

Hand protection:

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739, AS/NZS:2161) made from



the following materials may provide suitable chemical protection: Longer term protection: Nitrile rubber gloves. Incidental contact/Splash protection: PVC or neoprene rubber gloves.

Eye protection: Monogoggles (EN166) Chemical splash goggles (chemical monogoggles).

Protective Clothing: Chemical resistant gloves/gauntlets, boots, and apron. Skin protection not ordinarily required beyond standard issue work clothes.

Hygiene measures: Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor : liquid, colourless,characteristic	Evaporation rate : 10 (n-Bu Acetate = 100)
Melting Point : N/A	Specific gravity : 0.770-0.925 g/cm ³ at 15 °C
pH : N/A	Solubility in water : Not Soluble
Boiling point : 140-290 °C	Viscosity : 1.08 mm ² /s at 25 °C
Vapour pressure : 370 Pa at 20 °C	Vapour density : N/A
Lower explosive limits: 0.8 %Vol	Upper explosive limits: 5 %Vol
Auto-ignition temperature: 282 °C	Flash Point: 38 °C
Odour threshold: N/A	Flammability (solid, gas): no data available
Decomposition temperature: N/A	Solubility in other solvents: Aromatics Miscible. Aliphatics
n-octanol/water partition coefficient (log P_{ow}): 3.7-6.7	Miscible.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

Reactions: Data not available

Possibility of Hazardous Reactions: Data not available

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources.

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.



11. TOXICOLOGICAL INFORMATION

- Acute Toxicity:** LD50 (oral, Rat) : 2000 mg/kg
LD50 (dermal, Rat) > 5000 mg/kg
LC50 (Inhalation, Rat): greater than near-saturated vapour concentration. , 4 h
- Sensitization:** Inhalation of vapours or mists may cause irritation to the respiratory system.
Causes mild skin irritation. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
Essentially non-irritating to eyes.
- Chronic toxicity:** No data available
- Further toxicological information:** No data available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: Expected to be harmful: $10 < LC/EC/IC50 \leq 100$ mg/l

Toxicity to algae: Expected to be toxic: $1 < LC/EC/IC50 \leq 10$ mg/l

Toxicity to aquatic invertebrates: Expected to be harmful: $10 < LC/EC/IC50 \leq 100$ mg/l

Toxicity to microorganisms: Expected to be harmful: $10 < LC/EC/IC50 \leq 100$ mg/l

Biodegradability Remarks: Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

Bioaccumulative Potential: Contains components with the potential to bioaccumulate.

Mobility: Floats on water.

Affected in any other way: In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.

13. DISPOSAL CONSIDERATIONS

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.



Container Disposal: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not, puncture, cut, or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

14. TRANSPORT INFORMATION

Land

Class : 3

Packing group : III

Hazard identification no. : 30

UN No. : 1268

Danger label (primary risk) : 3

Proper shipping name : TURPENTINE SUBSTITUTE

IMDG

Identification number UN 1268

Proper shipping name TURPENTINE SUBSTITUTE

Class / Division 3

Packing group III

Marine pollutant: No

IATA (Country variations may apply)

UN No. : 1268

Proper shipping name : Turpentine substitute

Class / Division : 3

Packing group : III

15. REGULATORY INFORMATION

GHS - Labeling:

Hazard statement(s)

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H332: Harmful if inhaled.

H360: May damage fertility or the unborn child.



Precautionary statement(s)

P201: Obtain special instructions before use.

P280: Wear protective gloves/ protective clothing.

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

Hazard symbol(s)



R-phrases(s)

R60: May impair fertility.

R61: May cause harm to the unborn child.

R20/21/22: Also harmful by inhalation, in contact with skin and if swallowed.

R10: Flammable.

S-phrases(s)

S53: Avoid exposure - obtain special instructions before use.

S45: In case of accident or if you feel unwell, seek medical advice immediately

16. OTHER INFORMATION

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