



## SAFETY DATA SHEET

### SOLVENT 1425

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

Product name: SOLVENT 1425

Recommended use: Chemical for industry.

Manufacturer/Supplier: **MODERN CHEMICAL Co.Ltd.**  
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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:** Naphtha (petroleum), hydrotreated light, Pegasol 1425, Shellsol 60/145, Exxsol DSP 80/100

Ingredients	% (w/w)	CAS NO.
SOLVENT 1425	100	64742-49-0

### 4. FIRST AID MEASURES

**General advice:**

Show this safety data sheet to the doctor in attendance.

**Inhalation:**

Move to fresh air in case of accidental inhalation of vapors. Apply artificial respiration only if patient is not breathing or under medical supervision or use mouth-to-mouth resuscitation. Use suitable instruments/apparatus.

**Skin contact:**

Remove contaminated clothing and wash affected skin with soap and water. Wash contaminated clothing before reuse.

**Eye contact:**

If substance has got into the eyes, immediately wash out with plenty of water. Obtain medical attention.

**Ingestion:**

Do not induce vomiting. Obtain medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Extinguish with carbon dioxide, dry chemical or foam. 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 MEASURES

**Personal precautions:** Evacuate personnel to safe areas. Do not breathe vapors or spray mist. Remove all sources of ignition. Wear a positive-pressure supplied-air respirator, flame retardant antistatic protective clothing. Shut off leaks if without risk. Keep people away from and upwind of spill/leak.

**Environmental precautions:** Contain or absorb leaking liquid with sand or earth, consults an expert. Prevent liquid entering sewers, basements and workpits. If substance has entered a water course or sewer or contaminated soil or vegetation, advise police.

### Methods and Material for Containment and Clean Up:

Soak up with inert absorbent material (e.g. sand, silicagel). Prevent liquid entering sewers, basements and workpits; vapor may create explosive atmosphere. Transfer to covered steel drums. Dispose of promptly.

## 7. HANDING AND STORAGE

### Precautions for Safe Handling & Product Transfer:

Keep container tightly closed. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Do not empty into drains.

### Conditions for Safe Storage & Unsuitable Materials:

Keep tightly closed at room temperature in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep out of direct sunlight and way from incompatible material. Store in original container. Electrical equipment should be protected to the appropriate standard.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** Not 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:** In case of insufficient ventilation, wear suitable respiratory equipment. Required when vapor/aerosols are generated filter A (acc. To DIN 3181) for vapors of organic compounds.
- Hand protection:** Handle with gloves. In case full contact wear gloves from butyl rubber material, in splash contact wear gloves from natural rubber material. The select protective gloves have to satisfy the specifications of EU Directive 89/686 EEC and standard EN 374 derived from it.
- Eye protection:** Goggles giving complete protection to eyes.
- Skin and body Protection:** Chemical resistant apron / flame retardant antistatic protective clothing, heavy duty work shoes.
- Hygiene measure:** Ventilation hoods and fans required when working with organic solvents or in hot melt applications. Keep working clothes separately. Keep away from food, drink and animal feeding stuffs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form, Color and Odor:</b> liquid, colourless, characteristic	<b>Evaporation rate :</b> 6 (N-Bu Acetate=1)
<b>Melting Point:</b> N/A	<b>Specific gravity :</b> 0.710-0.720 g/cm <sup>3</sup> ที่ 15 °C
<b>pH:</b> N/A	<b>Solubility in water :</b> Not soluble
<b>Boiling:</b> 75-115 °C	<b>Viscosity :</b> 0.43 mm <sup>2</sup> /sec at 40 °C
<b>Vapour pressure:</b> 19.44 kPa at 38 °C	<b>Vapour density :</b> N/A
<b>Lower explosion limits:</b> 1.0 %Vol	<b>Upper explosive limit:</b> 7.0 %Vol
<b>Auto-ignition temperature:</b> >200 °C	<b>Flash point:</b> -15 °C
<b>Odour threshold:</b> N/A	<b>Flammability (solid, gas):</b> N/A
<b>Decomposition temperature:</b> N/A	<b>Solubility in other solvents:</b> N/A
<b>n-octanol/water partition coefficient (log P<sub>ow</sub>):</b> N/A	

## 10. STABILITY AND REACTIVITY

- Chemical Stability:** Stable under recommended storage conditions.
- Reactions:** No data available
- Possibility of Hazardous Reactions:** No data available
- Conditions to avoid** Heat, sparks, open flames and other ignition source.



**Materials to be avoided:** Strong oxidizers

**Hazardous Decomposition Products:** Material does not decompose at ambient temperatures.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50 Oral – rat - 15000 mg/kg

LD50 Inhalation - rat – 3400 mg/l - 4h

LD50 Dermal –rabbit - >3000 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.

**Chronic 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:** Air rapid degradation. Biologically not readily degradable.

**Bioaccumulative Potential:** Product is probably not bioaccumulatable.

**Mobility:** No data available

**Affected in any other way:** No data available



### 13. DISPOSAL CONSIDERATIONS

**Material Disposal:** Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to Official regulations.

**Container Disposal:** Disposal must be made according to official regulations.

### 14. TRANSPORT INFORMATION

#### LAND

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

Hazard Class: 3

Hazchem Code: 3YE

UN Number: 3295

Packing group: II

Lable(s)/Mark(s): 3, EHS

#### SEA(IMDG)

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

Hazard Class & Division: 3

EMS Number: F-E,S-D

UN Number: 3295

Packing group: II

Marine Pollutant: Yes

Lable(s): 3

Transport Document Name : UN3295 HYDROCARBON, LIQUID, N.O.S. (Heptane), 3, PG II, (-15°C c.c.),

MARINE POLLUTANT

#### AIR(IATA)

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

Hazard Class & Division: 3

UN Number: 3295

Packing group: II

Lable(s)/Mark(s): 3, EHS

Transport Document Name: UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, PG II



## 15. REGULATORY INFORMATION

### GHS – Labelling:

#### Hazard 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

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