



ACP

Asiatic Chemicals Pakistan

Building the Partnership, it's Asiatic Business Principle!

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Material Safety Data Sheet

According to 91/155 EEC

Printing date 03.08.2006

Reviewed on 24.07.2006

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Solvent naphtha (petroleum), light arom.
- **Manufacturer/Supplier:**
Petrochem Middle East FZE
PO Box 17028,
Jebel Ali Free Zone
Dubai, UAE
Ph +971 4 8839222; Fax +971 4 8834133
- **Further information obtainable from:** Product safety department.

2 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**
64742-95-6 Solvent naphtha (petroleum), light arom.
- **Identification number(s)**
- **EINECS Number:** 265-199-0
- **EU Number:** 649-356-00-4

3 Hazards identification

- **Hazard description:**



Carc. Cat. 2
T Toxic

- **Information concerning particular hazards for human and environment:**
R 45 May cause cancer.
R 10 Flammable.
R 65 Harmful: may cause lung damage if swallowed.

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

6 Accidental release measures

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- **Measures for environmental protection:**
 - Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - Keep respiratory protective device available.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Store protective clothing separately.
- **Respiratory protection:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
 - **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· General Information

Form: Fluid
Colour: Clear
Odour: Specific type

· Change in condition

Melting point/Melting range: -50°C
Boiling point/Boiling range: 162/182°C

· Flash point: 45°C

· Ignition temperature: 450°C

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 0.7 Vol %
Upper: 7.5 Vol %

· Vapour pressure at 20°C: 5 hPa

· Density at 20°C: 0.87 g/cm³

· Solubility in / Miscibility with water at 20°C: 0.05 g/l

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· LD/LC50 values relevant for classification:

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

· Primary irritant effect:

- on the skin: No irritant effect.
- on the eye: No irritating effect.

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UAE

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· **Sensitization:** No sensitizing effects known.

12 Ecological information

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1268
- **Packaging group:** III
- **Hazard label:** 3
- **Description of goods:** 1268 PETROLEUM DISTILLATES, N.O.S.

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1268
- **Label:** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** PETROLEUM DISTILLATES, N.O.S.

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3

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- **UN/ID Number:** 1268
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** PETROLEUM DISTILLATES, N.O.S.

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
Carc. Cat. 2
T Toxic
- **Risk phrases:**
45 May cause cancer.
10 Flammable.
65 Harmful: may cause lung damage if swallowed.
- **Safety phrases:**
53 Avoid exposure - obtain special instructions before use.
2 Keep out of the reach of children.
9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Product safety department.
- **Contact:** Terminal Manager

UAE