

MATERIAL SAFETY DATA SHEET - MSDS

1. Identification of the material and the company :

Product identification :

Product No. : P05051

Name of material : **Petroleum ether** boiling range 40 – 60 °C – Extra pure

Company identification :

Doummar & Sons Co.

Address – 250/ chem . - Industrial city - Syria

Tel : + 963 11 585 0100 , Fax : + 963 11 585 0102

2. Composition & information on ingredients :

Other names : Petroleum benzine , Petroleum spirit , Ligroin

CAS-No. : 64742-49-0

EC-Index-No. : 649-328-00-1

EC No. : 256-151-9

3. Hazards :

High flammable , irritant , dangerous for the environment , toxic for reproduction .

4. First aid measures :

After inhalation : fresh air .

After skin contact : wash off with plenty of water . Remove contaminated clothing .

After ingestion : drink plenty of water . avoid vomiting . Call doctor .

5. Fire-fighting measures :

Suitable extinguishing media :

Foam , powder , CO₂ .

Special risks :

Combustible. Vapours heavier than air. Formation of explosive mixtures possible with air.

6. Accidental release measures :

Person –related precautionary measures :

Do not inhale vapours/aerosols . Avoid substance contact .

Procedures for cleaning /absorption :

Take up with liquid-absorbent material . Forward for disposal . Clean up affected area .

7. Handling and storage :

Handling : Keep away from sources of ignition. Take measures to prevent electrostatic charging.

Storage : Store tightly closed, in a well-ventilated place. Away from combustible materials and sources of ignition and heat. Store at + 15°C to + 25°C

8. Exposure controls & personal protection :

Personal protective equipment : must be selected according to the working place, based on

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the concentration and amount of the dangerous substance.

Respiratory protection : required when vapours/aerosols are generated .

Hand protection : required .

Eye protection : required .

Industrial hygiene : Immediately remove contaminated clothing .Wash hands and face after working with substance.

9. *Physical and chemical properties* :

Form : liquid .

Colour : colourless .

Odour : benzine-like

Melting point : <-100°C

Boiling point : 40-60 °C

Ignition temperature : ~ 250 °C

Flash point : <-21 °C

Explosion limits (low) : 0.8 Vol%

Explosion limits (high) : 8 Vol%

Vapour pressure : (20°C) ~ 350 hPa.

Density (20 °C) : 0,65g/cm³

Solubility in water (20 °C) : insoluble .

10. *Stability and reactivity* :

Condition to be avoided : Heating .

Substances to be avoided : oxidizing agents .

Hazardous decomposition products : not available .

Further information : Highly flammable. Explosive with air in a vaporous/gaseous state.

Unsuitable working materials: various plastics, rubber.

11. *Toxicological information* :

Acute toxicity

LD50(oral, rat): >2000 mg/kg

LC50 (inhalation, rat): >5 mg/l/4h .

LD50 (dermal, rabbit): >2000 mg/kg

Further toxicological information :

After skin contact : Drying off effect on the skin, resulting in rough and chapped skin.

After inhalation : irritations .

After ingestion: nausea. Risk of aspiration , vomiting .

Further information: the product should be handled with the care usual when dealing with chemicals.

12. *Ecological information* :

Ecotoxic effects :

Fish toxicity: LC50 : 10 mg .

Daphnia toxicity: EC50: 1,3 - 13 mg/l .

Algal toxicity: IC50 : 10 mg/l .

Further ecologic data : do not allow to enter waters, waste water, or soil .

13. *Disposal considerations* :

Product : Chemical residues generally count as special waste . We recommend that you contact either

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the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .

Packaging : Disposal is compliance with official regulation . Handle contaminated packaging in the same way as the substance itself . If not officially specified differently , non-contaminated packaging may be treated like household waste or recycled .

14. Transport information :

Road and rail : ADR/RID and GGVS/GGVE : class 3/II

Sea transport :

IMDG class : 3/II.UN-NO. 1268

Air transport : ICAO –TI and IATA –DGR

ICAO/IATA class : 3/II.UN-NO. 1268

15. Regulatory information :

Symbol : F+ (Extremely flammable), Xn (Harmful), N (Dangerous for the environment)

R-phrases : 11-51/53-65-66-67 Extremely flammable. Toxic to aquatic organisms, may cause long-term effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

S-phrases : 23-24-33-46-62-9-16-61 Keep container in a well ventilated place. Keep away from sources of ignition No Smoking. Do not empty into drains. Take precautionary measures against static discharges. Avoid release to the environment .Refer to special instructions/Safety data sheets. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

16. Other information :

Reason for update : General revision

Date : 2010 .
