

MEGHMANI INDUSTRIES LTD.
MATERIAL SAFETY DATA SHEET

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1. Product identification:

- Trade Name : PETROMATE RED 13 (Solvent Red 164)
- Manufacturer's address : Plot No. 27,
Phase - I, G.I.D.C Ind. Estate
Vatva, Ahmedabad-380 445
Phone No. : 25893707, 25897793,
- Emergency : 91 (079) 25897793

2. COMPOSITION/ INFORMATION:

- CHEMICAL CHARACTERISATION : Alkyl derivative of Azobenzene --Azo naphthol
- Hazardous Ingredients : O-Xylene CAS NO. : 95-47-6

3a. HAZARD IDENTIFICATION:

- FLAMMABLE (R10)
- Harmful by inhalation and in contact with skin (R20/21)
- Irritating to skin (R38)
- In case of severe exposure, dizziness, confusion, headache or stupor may develop
- May cause dermatitis

3b. HEALTH HAZARDS:

EFFECT OF OVEREXPOSURE:

- INGESTION: Ingestion causes severe irritation of the mouth, throat and esophagus, can cause nausea Vomiting and gastro intestinal upset dizziness, faintness, drowsiness and in Coordination (ATAXLA) can occur.
- SKIN CONTACT: Prolonged or repeated dermal contact can defat the skin, cause irritation and lead to the Development of dermatitis. Harmful when absorbed through the skin, large amounts.
- EYE CONTACT: Eye contact causes severe irritation to the ocular tissue. Vapors and or mists Contacting the Ocular tissues can cause mild to moderate irritation. The severity of Reaction depends On the duration of exposure and on the first aid procedures Administered.
- INHALATION : Can cause irritation of the nose, throat and upper respiratory tract can be irritating To mucous membranes essentially following prolonged exposure to mists and Vapor. Inhalation can cause dizziness can cause headaches and in coordination. Nausea, vomiting and G.I. upset can occur. Can cause anesthetic and or narcotic Effects.

4. FIRST AID:

4a. INHALATION:

- Remove to fresh air.
- If breathing is difficult, oxygen should be given by trained person.
- Apply artificial respiration only if patient is not breathing.
- Consult physician as soon as possible.

4b. CONTACT WITH EYE:

- If substance has got into eyes, immediately wash with plenty amount of fresh water for 10 to 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids. Seek medical advice

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4.c CONTACT WITH SKIN:

- Remove contaminated clothing immediately and drench affected skin plenty of water
- Wash with soap & water.
- Do not use solvents to clean skin.
- Seek medical attention if irritation persists.
- Contaminated clothing should be laundered reuse.

4d. INGESTION :

- Don't induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical
- Rinse mouth with water (don't swallow)
- Never give anything by mouth to an unconscious person.
- Seek immediate medical attention

4e. Notes to physician. Treat by observation and supportive measures as indicated by the patients

5. FIRE FIGHTING MEASURES:

- In case of fire use water, foam, carbon dioxide or Dry chemical powder(S43)
- Do not use water jets
- May give off noxious and toxic fumes in a fire
- Vapors are heavier than air and may travel considerable distances to a source of ignition and flashback
- In the event of an adjacent fire, cool containers with water spray.
- Wear Chemical Protection Suit and Positive Breathing Apparatus

6. ACCIDENTAL RELEASE MEASURES:

- Wear suitable protective clothing including eye/face protection and gloves (S36/37/39)
- Wear suitable respiratory protection
- Shut off all ignition sources
- Absorb spillage in suitable inert material.
- Ventilate the area and wash spill site after material is complete
- Do not allow to enter public sewers and water courses

7. HANDLING AND STORAGE

7.1 HANDLING:

- Do not breathe vapor(S23)
- Avoid contact with skin & eyes
- Use only in well ventilated areas (SSI)
- When using do not eat, drink or smoke (S20/21)
- Keep away from heat and sources of ignition
- Use of non-sparking and explosion-proof equipment may be necessary depending on type of operation
- Take precautionary measures against static discharges(S33)

7.2 STORAGE:

- Keep only in the original container (S49)
- Keep container tightly closed, in a cool, well ventilated place
- Keep away from heat, spark and flames. (S15)
- Keep away from sources of ignition -- No Smoking (S16)

8. PERSONAL PROTECTION AND EXPOSURE LIMITS:**8.1 PERSONAL PROTECTION:**

- Wear neoprene or nitrile gloves, boots and apron
- Wear goggles giving complete eye protection
- Wear approved respirator if exposure likely to exceed MEL/OES
- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines.
- In poorly ventilated areas or confined spaces, use an airline respirator or self-contained breathing apparatus

8.2 EXPOSURE LIMITS:

- OES/LEL Xylene : 100ppm (EH40) 435 mg/m³
- OES/STEL Xylene: 150ppm (EH40) 650 mg/m³
- Can be absorbed through the skin

9. PHYSICAL AND CHEMICAL PROPERTIES

- Liquid, red, density similar to water
- Aromatic odor
- Flammable (R10)
- May form explosive mixture with air
- Lower explosive limit Xylene : 1% (in Air)
- Upper explosive limit Xylene : 7% (in Air)
- Boiling point 140 deg C to 144 deg C at 760 mm Hg
- Flash point 32-35 deg C (CC)
- Melting point – not applicable
- Auto-ignition point ~ 500 deg C
- PH – Neutral (6.5 to 7.5 of 10 % aq. Extract)
- Specific gravity 0.98 - 1.05 at 20 deg C
- Vapor pressure (20 deg C) 680 Pa
- Insoluble in water
- Viscosity less than 200 centipoise at 25 deg C

10. STABILITY & REACTIVITY:

- Stable at ambient temperature and storage condition.
- Insoluble in water
- May decompose on exposure to heat
- Forms hazardous decomposition products like CO, CO₂ and Oxides of Nitrogen.
- Decomposition products may include toxic and irritant fumes
- Incompatible with oxidizing and reducing agents
- Dye may be reduced to liberate free aromatic amines.

11. TOXICOLOGICAL INFORMATION:

- Irritating to skin (R38)
- Inhalation of solvent vapors may give rise to nausea, headaches and dizziness
- Harmful by inhalation and in contact with skin (R20/21)
- LD50 (skin, rabbit) Xyl : 4320mg/kg
- Can be absorbed through skin

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12. ECOLOGICAL INFORMATION :

- Large volumes may penetrate soil and contaminate groundwater
- LC50(fathead minnow) Xyl: 27 –42 mg/l (96hr)

13. ELIMINATION – WASTE DISPOSAL:

- Disposal should be in accordance with local, state or national legislation
- Do not flush to surface water or sanitary sewer system.
- Incineration by an approved method could be considered.

14. TRANSPORT REGULATIONS:

14.1 UN

UN No. : 1307 Hazard class : 3
Packing Group : III

14.2 Road/Rail (ADR/RID)

ADR UN No. : 1307 ADR Hazard Class : 3
ADR Page no : 31(c) ADR/RID No. : 30
Tremcard : R- 30G35

14.3 Sea (IMDG)

IMDG UN No. : 1307 IMDG Hazard Class : 3.3
IMDG Page NO.: 3394 INDG PACK Group : III
IMDG EMS : 3 – 07 IMDG MFAG : 310

14.4 Air (ICAO/IATA)

ICAO UN No. : 1307 ICAO Hazard class : 3
ICAO Pack Group: III

15 REGULATORY INFORMATION

CLASSIFICATION AND LABELING ACCORDING TO EEC DIRECTIVES

CLASSIFICATION / SYMBOL : DANGEROUS FOR THE ENVIRONMENT
GOVERNING DIRECTIVE : Dangerous preparation Directive 88 / 379 / EEC

HAZARD LABELLING:

- Applicable hazard symbols : flammable liquid
Class 3 UN 1307
- Applicable safety phrases
S22 : Do not breathe vapor
S24 : Avoid contact with skin
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection
- Intended use of the product : 10-20/21-38
- Intended use of the product : Dye for petroleum products
- Proper Shipping Name : Xylene solution

16. LIMITATION OF RESPONSIBILITY :

- Recipients must assess for themselves the risk at the workplace as required by local/ state regulations.
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