



# MAA BIJASANI PETRO CHEM PVT LTD

## ***MATERIAL SAFETY DATA SHEET*** ***PETROLEUM ETHER 80***

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1 Product identifiers**

Product name : Petroleum Ether 80

CAS-No. : 8032-32-4

#### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Industrial & for professional use only.

#### **1.3 Manufacturer or supplier's details:**

Manufacturer : MAA BIJASANI PETRO CHEM PVT. LTD.  
Gut.No.78/2, Kalmadi Fata, Pimperkheda, Tal - Shindkheda -  
424309 Dist.Dhule (M.S.)

### **SECTION 2: Hazards identification**

#### **2.1 Classification of the substance or mixture**

##### **Classification according to Regulation (EC) No 1272/2008**

Flammable liquids (Category 2), H225

Germ cell mutagenicity (Category 1B), H340

Carcinogenicity (Category 1B), H350

Aspiration hazard (Category 1), H304

For the full text of the H-Statements mentioned in this Section, see Section 16.

##### **Classification according to EU Directives 67/548/EEC or 1999/45/EC**

F, T Highly flammable, Toxic R45, R46, R11, R65

For the full text of the R-phrases mentioned in this Section, see Section 16.

#### **2.2 Label elements**

##### **Labelling according Regulation (EC) No 1272/2008**

Pictogram



Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapour.

H304

May be fatal if swallowed and enters airways.

|                                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| H340                              | May cause genetic defects.                                          |
| H350                              | May cause cancer.                                                   |
| H411                              | Toxic to aquatic life with long lasting effects.                    |
| Precautionary statement(s)        |                                                                     |
| P201                              | Obtain special instructions before use.                             |
| P210                              | Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  |
| P301 + P310                       | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P308 + P313                       | IF exposed or concerned: Get medical advice/ attention.             |
| P331                              | Do NOT induce vomiting.                                             |
| Supplemental Hazard Statements    | none                                                                |
| Restricted to professional users. |                                                                     |

## 2.3 Other hazards - none

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|           |   |              |
|-----------|---|--------------|
| CAS-No.   | : | 8032-32-4    |
| EC-No.    | : | 232-453-7    |
| Index-No. | : | 649-263-00-9 |

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

| Component                  |              | Classification                                                        | Concentration |
|----------------------------|--------------|-----------------------------------------------------------------------|---------------|
| <b>Hydrocarbon mixture</b> |              |                                                                       |               |
| CAS-No.                    | 8032-32-4    | Flam. Liq. 2; Muta. 1B; Carc. 1B; Asp. Tox. 1; H225, H304, H340, H350 | <= 100 %      |
| EC-No.                     | 232-453-7    |                                                                       |               |
| Index-No.                  | 649-263-00-9 |                                                                       |               |

#### Hazardous ingredients according to Directive 1999/45/EC

| Component          |              | Classification              | Concentration |
|--------------------|--------------|-----------------------------|---------------|
| <b>Hydrocarbon</b> |              |                             |               |
| CAS-No.            | 8032-32-4    | F, T, R45 - R46 - R11 - R65 | <= 100 %      |
| EC-No.             | 232-453-7    |                             |               |
| Index-No.          | 649-263-00-9 |                             |               |

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

- 4.3 Indication of any immediate medical attention and special treatment needed**  
no data available

## **SECTION 5: Firefighting measures**

- 5.1 Extinguishing media**  
**Suitable extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture**  
Carbon oxides
- 5.3 Advice for firefighters**  
Wear self contained breathing apparatus for fire fighting if necessary.
- 5.4 Further information**  
Use water spray to cool unopened containers.

## **SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.
- 6.2 Environmental precautions**  
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- 6.3 Methods and materials for containment and cleaning up**  
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
- 6.4 Reference to other sections**  
For disposal see section 13.

## **SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling**  
Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.  
For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- 7.3 Specific end use(s)**  
A part from the uses mentioned in section 1.2 no other specific uses are stipulated

## **SECTION 8: Exposure controls/personal protection**

- 8.1 Control parameters**  
**Components with workplace control parameters**
- 8.2 Exposure controls**  
**Appropriate engineering controls**  
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Personal protective equipment

### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                                                  |
|-------------------------------------------------|------------------------------------------------------------------|
| a) Appearance                                   | Form: liquid<br>Colour: colourless                               |
| b) Odour                                        | no data available                                                |
| c) Odour Threshold                              | no data available                                                |
| d) pH                                           | no data available                                                |
| e) Melting point/freezing point                 | no data available                                                |
| f) Initial boiling point and boiling range      | 80-100 ± 3 <sup>0</sup> C                                        |
| g) Flash point                                  | -49 °C - closed cup                                              |
| h) Evaporation rate                             | no data available                                                |
| i) Flammability (solid, gas)                    | no data available                                                |
| j) Upper/lower flammability or explosive limits | Upper explosion limit: 8 %(V)<br>Lower explosion limit: 1,1 %(V) |
| k) Vapour pressure                              | 724,66 hPa at 20 °C<br>1.778,33 hPa at 55 °C                     |
| l) Vapour density                               | no data available                                                |
| m) Density at 20 to 40°C                        | 0.710 - 0.735                                                    |
| n) Water solubility                             | no data available                                                |
| o) Partition coefficient: n-octanol/water       | no data available                                                |
| p) Auto-ignition temperature                    | no data available                                                |

- |                              |                   |
|------------------------------|-------------------|
| q) Decomposition temperature | no data available |
| r) Viscosity                 | no data available |
| s) Explosive properties      | no data available |
| t) Oxidizing properties      | no data available |

**9.2 Other safety information**  
no data available

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

no data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

no data available

**10.4 Conditions to avoid**

Heat, flames and sparks. Extremes of temperature and direct sunlight.

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Other decomposition products - no data available  
In the event of fire: see section 5

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

LC50 Inhalation - rat - 4 h - 3400 ppm

Remarks: Behavioral:Convulsions or effect on seizure threshold. Behavioral:Muscle weakness.

LD50 Intravenous - mouse - 40 mg/kg

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

In vivo tests showed mutagenic effects

**Carcinogenicity**

Possible human carcinogen

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ligroine)

3 - Group 3: Not classifiable as to its carcinogenicity to humans (Ligroine)

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ligroine)

3 - Group 3: Not classifiable as to its carcinogenicity to humans (Ligroine)

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Additional Information**

RTECS: Not available

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

Liver - Irregularities - Based on Human Evidence

**SECTION 12: Ecological information****12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

no data available

**12.3 Bioaccumulative potential**

no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

no data available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information****14.1 UN number**

ADR/RID: 1268

IMDG: 1268

IATA: 1268

**14.2 UN proper shipping name**

ADR/RID: PETROLEUM DISTILLATES, N.O.S.

IMDG: PETROLEUM DISTILLATES, N.O.S.

IATA: Petroleum distillates, n.o.s.

**14.3 Transport hazard class(es)**

ADR/RID: 3

IMDG: 3

IATA: 3

**14.4 Packaging group**

ADR/RID: II

IMDG: II

IATA: II

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user**

no data available

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

## 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3.

|            |                                               |
|------------|-----------------------------------------------|
| Asp. Tox.  | Aspiration hazard                             |
| Carc.      | Carcinogenicity                               |
| Flam. Liq. | Flammable liquids                             |
| H225       | Highly flammable liquid and vapour.           |
| H304       | May be fatal if swallowed and enters airways. |
| H340       | May cause genetic defects.                    |
| H350       | May cause cancer.                             |
| Muta.      | Germ cell mutagenicity                        |

### Full text of R-phrases referred to under sections 2 and 3

|     |                                              |
|-----|----------------------------------------------|
| F   | Highly flammable                             |
| T   | Toxic                                        |
| R11 | Highly flammable.                            |
| R45 | May cause cancer.                            |
| R46 | May cause heritable genetic damage.          |
| R65 | Harmful: may cause lung damage if swallowed. |

### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Maa Bijasani shall not be held liable for any damage resulting from handling or from contact with the above product.