**Identity : GP Thinner**

Use:
For industrial chemical thinning, cleaning and related use.

## 1. Company Identification

| | |
|---|---|
| Manufacturer's Name: | Obaproof Manufacturing Sdn Bhd |
| Address: | Lot 3996, Lorong 2A, Jalan Kampung Baru Subang,<br>Kampung Bunga Raya, 40150 Shah Alam,<br>Selangor Darul Ehsan. |
| Telephone No.: | 012-968 4685 |

Contact Points:

| | |
|---|---|
| Designation (department): | Management Department |
| Telephone No.: | 012-968 0735 |

## 2. Hazard (s) Identification

2.1 GHS Classification:
Flammable Liquids (Category 3)
Carcinogenicity (Category 1B)
Skin Corrosion or Irritation (Category 2)

2.2 GHS Label Elements:

• Hazard Pictogram(s):

• Signal word:
DANGER

2.3 Hazard Statements:

• Physical Hazards:
H226 Flammable liquid and vapour

• Health Hazards:
H315 Causes skin irritation
H350 May cause cancer

2.4 Precautionary Statements:

• Prevention:

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safetyprecautions have been read and understood. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces – No smoking. |
| P243 | Take precautionary measures against static discharge. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Use personal protective equipment as required. |

• Response:

| | |
|---|---|
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P302+352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |

• Storage:

| | |
|---|---|
| P405 | Store locked up. |

• Disposal:

| | |
|---|---|
| P501 | Dispose of contents/container to accordance with local regulations. |

2.5 Other Hazards (not resulting in classification or not covered by the Regulations ):
- none known-

## 3. Composition / Information on Ingredient(S)

| | | |
|---|---|---|
| 3.1 | Chemical / Generic Name: | Hydrodesulphurized Heavy, Naphtha |
| | CAS No.: | 64742-82-1 |
| | Proportion : | 80 – 95% |
| | GHS Classifications : | Flammable Liquid (Category 3)<br>Specific Target Organ Toxicity - Single Exposure (Category 3)<br>Carcinogenicity (Category 1A/1B) |
| | H-Codes: | H226, H335, H336, H350 |

| | | |
|---|---|---|
| 3.2 | Chemical / Generic Name: | Aromatic Hydrocarbon |
| | CAS No.: | 1330-20-7 |
| | Proportion : | 2 – 5% |
| | GHS Classifications : | Flammable Liquid (Category 3)<br>Acute Toxicity - Inhalation (Category 4)<br>Acute Toxicity - Dermal (Category 4)<br>Skin Corrosion or Irritation (Category 2) |
| | H-Codes: | H226, H332, H312, H15 |

## 4. First Aid Measures

4.1 Inhalation:
Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

4.2 Skin Contact:
Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

4.3 Eye Contact:
Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

4.4 Ingestion:
Give two glasses of water for dilution; induce vomiting by sticking fingers down throat; never give anything by mouth to an unconscious person; seek medical attention.

4.5 Notes to Physician:
No special instructions.

## 5. Fire-Fighting Measures

5.1 Suitable Fire Extinguishing Media:
Carbon dioxide, water fog, dry chemical, chemical foam. DO NOT use water jet.

5.2 Fire-fighting Procedure:
Closed containers can explode due to buildup of pressure when exposed to extreme heat.

5.3 Special Fire Precautions:
Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back.

5.4 Hazardous Combustion Products:
Avoid from fire creation such as smoke, fumes, oxides of carbon, i.e., Carbon monoxide and Carbon dioxide

## 6. Accidental Release Measures

Observe all relevant local and international regulation

6.1 Personal Precautions, Protective Equipment and Emergency Procedure:
Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Ventilate well. Stop leak if possible without risk. Avoid contact with skin and eyes. Do not breathe vapour.

6.2 Environmental Precautions:
Avoid discharge into lakes, ponds, streams, or public waters.

6.3 Methods/Materials for Containment and Cleaning-Up:
Confine and absorb with sand, earth or other non-combustible material; place material into approved containers for disposal.

## 7. Handling and Storage

7.1 Precaution for Safe Handling:
Keep container closed when not in use; protect containers from abuse; protect from extreme

7.2 Conditions for Storage:
CAUTION - FLAMMABLE - keeps away from all sources of ignition. “Empty” containers may contain residue, which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well-ventilated work areas to minimize exposure when handling this material.

## 8. Exposure Control / Personal Protection

8.1 Control Parameters:

| Material | Source | Type | Value | Notation |
|---|---|---|---|---|
| • Hydrodesulphurized Heavy, Naphtha | ACGIH | TWA | 100 ppm | None |
| • Aromatic Hydrocarbon | ACGIH | TWA | 100 ppm | None |

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

8.2 Appropriate Engineering Control Measures:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended practices, most recent edition, for details. Use explosion-proof equipment.

8.3 Personal Protection:

- Eye / Face Protection:
  Maintain eye or face wash fountain and quick-drench facilities in work area. Use chemical safety goggles and/or full-face shield where dusting or splashing of solutions is possible.

- Respiratory Protection:
  If the exposure limit is exceeded, a half-face organic vapor respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. Warning: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

- Hand / Skin Protection:
  Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent hand or skin contact.

## 9. Physical and Chemical Properties

| | |
|---|---|
| Appearance: | Clear Liquid |
| Odour: | Solvent-like, mild |
| pH: | Not applicable |
| Melting / Freezing Point: | Not applicable |
| Boiling Point / Rang: | Not applicable |
| Flash Point (ASTM D-56): | 25°C |
| Evaporation Rate (Butyl Acetate =1): | Not applicable |
| Flammability (solids / gas): | Highly flammable in the presence of open flames, sparks and static discharge and heat. |
| Flammability Limits (lower): | 7 vol % |
| Flammability Limits (upper): | 0.8 vol % |
| Vapour Pressur: | 0.01 kPa |
| Vapour Density ( Water = 1 ): | Not applicable |

| | |
|---|---|
| Specific Gravity @ 25˚C : | 0.80 ± 0.02 |
| Solubility in Water: | Insoluble in water |
| Partition Coefficient:n-Octanol/$H_20$: | Not applicable |
| Auto-ignition Temperature: | Lowest known value: 333°C |
| Decomposition Temperatur: | Not applicable |
| Viscosity Rang: | Not applicable |
| Percentage Volatil: | Not applicable |

## 10. Stability and Reactivity

10.1 Reactivity:
Heating may cause a fire.

10.2 Chemical Stability:
Product is stable under normal operating and storage conditions.

10.3 Possibility of Hazardous Reaction:
Not known.

10.4 Condition to Avoid:
Extreme temperatures, open flames, spark.

10.5 Incompatible Materials:
Water, strong oxidizers, strong acids, strong alkalis.

10.6 Hazardous Decomposition Product:
Decomposition will not occur if handle and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced

## 11. Toxicological Information

11.1 Acute Toxicity:
There is no available data on the toxicity of the product as a mixture.

| Chemical Name | Route | Species | Acute Toxic Value |
|---|---|---|---|
| • Hydrodesulphurized Heavy, Naphtha | • Oral<br>• Dermal | • Rat<br>• Rabbit | • LD50 > 5000 mg/kg<br>• LD50 > 3160 mg/kg |
| • Aromatic Hydrocarbon | • Oral<br>• Inhalation<br>• Dermal | • Rat<br>• Rat<br>• Rabbit | • LD50 > 3523 mg/kg<br>• LC50 > 29 mg/L<br>• LD50 > 12126 mg/kg |

11.2 Skin Corrosion/ Irritation:
Irritation, redness.

11.3 Serious Eye Damage/ Eye Irritation:
Pain or irritation, watering, redness.

11.4 Respiratory Irritation/ Sensitizatio:
Mist/vapour may cause respiratory irritation but no sensitising is expected.

11.5 Skin Sensitization:
No data to indicate that the product is a skin sensitiser.

11.6 Germ-Cell Mutagenicity:
No data to indicate that the product is a mutagenic.

11.7 Carcinogenicity:
No data to indicate that the product is a carcinogenic.

11.8 Reproductive toxicity:
No data to indicate that the product is a reproductive toxicant.

11.9 STOT - Single Exposure:
Inhalation of mist/vapour may cause drowsiness/dizziness.

11.10 STOT - Repeated Exposure:
Prolonged/repeated overexposure may impair the nervous system and reduce kidney/liver functions.

11.11 Aspiration Hazard:
Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

## 12. Ecological Information

Ecotoxicity:

| Chemical Name | Species | Exposure | Type Of Test | Acute Toxic Value |
|---|---|---|---|---|
| • Hydrodesulphurized Heavy, Naphtha | • Fish<br>• Algae | • 96 h<br>• 72 h | • LC50<br>• EC50 | • 30 mg/L<br>• 4.6 mg/L |
| • Aromatic Hydrocarbon | • Fish<br>• Algae | • 96 h<br>• 73 h | • LC50<br>• EC50 | • 2.6 mg/L<br>• 4.36 mg/L |

| | |
|---|---|
| Persistence and Degradability: | Expected to be inherently biodegradable. |
| Bioaccumulative Potentia: | Product is not likely to accumulate in biological organism. |
| Mobility in soil: | Soil/water partition coefficient (KOC) is not available. |
| Other adverse effects: | Not known significant effects or critical hazards. |

## 13. Disposal Information

Personnel handling disposal tasks for the product / product container must be made aware of the associated hazards and adhere to the precautionary measures as per outlined in other sections of this Safety Data Sheet.

13.1 Product Disposal:
The generation of waste should be avoided or minimized wherever possible. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Spillage, remains, discarded clothes and similar should be discarded in a fireproof container.

13.2 Container Disposa:
Drain the container completely then rinse with suitable solvents. Treat rinsings as per product disposal. Allow container to dry completely then store in safe manner away from heat or ignition sources. Otherwise treat as hazardous waste and dispose accordingly. Never re-use the container for storage of food / water for human / animal consumption. Other items contaminated with the product/product residue should be treated as per product container.

13.3 Other Informatio:
Do not dispose into the environment, sewage systems or watercourses

## 14. Transport Information

14.1 Land Transport:

| | |
|---|---|
| • ADR / RID Classification: | DANGEROUS GOODS |
| • UN Number: | 1263 |
| • Proper Shipping Name: | PAINT / PAINT RELATED MATERIAL |
| • Hazard Class: | 3 |
| • Packaging Group: | III |

14.2 Air Transport:

| | |
|---|---|
| • ADR / RID Classification: | DANGEROUS GOODS |
| • UN Number: | 1263 |
| • Proper Shipping Name: | PAINT / PAINT RELATED MATERIAL |
| • Hazard Class: | 3 |
| • Packaging Group: | III |

14.3 Sea Transport:

| | |
|---|---|
| • ADR / RID Classification: | DANGEROUS GOODS |
| • UN Number: | 1263 |
| • Proper Shipping Name: | PAINT / PAINT RELATED MATERIAL |
| • Hazard Class: | 3 |
| • Packaging Group: | III |
| • Marine Pollutant: | No |
| • Emergency Schedule (EmS): | F-E; S-E |
| • Stowage Category: | Category A |

## 15. Regulatory Information

The regulatory information below is not intended to be comprehensive. Other regulations may apply to this product.

15.1 Local Regulations:
- Occupational Safety and Health Act 1994 and relevant regulations;
- Environmental Quality Act 1974 and relevant regulation;
- Road Transport Act 1987 and relevant regulations;
- Port Authorities Act 1963 and relevant regulations;

15.2 Guidelines / Codes of Practice
- Industry Code of Practice on Chemical Classifications and Communication;
- International Maritime and Dangerous Goods Code

## 16. Other Information

16.1 Key for Abbreviations/Acronyms:

| | |
|---|---|
| ACGIH: | American Conference of Governmental Industrial Hygienists |
| ADR: | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ASTM: | American Standard Test Method |
| BEI: | Biological Exposure Index |
| CAS: | Number Chemical Abstract Service Registry Number |
| GHS: | Globally Harmonized System of Classification and Labelling of Chemicals |
| IATA: | International Air Transport Association |

| | |
|---|---|
| IMDG: | International Maritime and Dangerous Goods |
| LC50: | Median Lethal Concentration |
| LD50: | Median Lethal Dose |
| OEL: | Occupational Exposure Limit |
| PEL: | Permissible Exposure Limit |
| RID: | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| STEL: | Short-Term Exposure Limit |
| STOT SE: | Specific Target Organ Toxicity – Single Exposure |
| STOT RE: | Specific Target Organ Toxicity – Repeat Exposure |
| TLV: | Threshold Limit Value |
| TWA: | Time-Weighted Average |
| UN: | Number United Nations (Hazardous Substance) Number |
| n/a: | not applicable |
| ppm: | parts per million |

16.2 Disclaimer:
To the best of our knowledge, the information herein is provided in good faith and believed to be accurate as of the preparation date of this Safety Data Sheet. However, no warranty, express or implied, is given regarding its accuracy or completeness. Regulatory requirements are subject to change and may differ between various locations and all chemicals may present unknown hazards. The information presented here pertains only to the product as per originally packed. Since conditions for handling, storage, use and disposal of the product are not under the control of the manufacturer, we assume no liability for any damages incurred by the use of this product.

*ALL OF THE MSDS DATA ARE FOR REFERENCE ONLY.*
*THE USER SHOULD JUDGE THE USABILITY THEMSELVES.*