

# Safety Data Sheet

## SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name :** PREPALENE XG (PL-XG)

|  |  |
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| <b>Trader's Name:</b><br>Nihon Parkerizing (M) Sdn. Bhd. | <b>Emergency Telephone No.:</b><br>03-33410227,33410085,33410091 |
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| <b>Address:</b><br>No. 10, Jalan Keluli 2, Kawasan Perindustrian<br>Bukit Raja, 41050 Klang, Selangor. | <b>Email:</b> <a href="mailto:razi@nihonparker.com">razi@nihonparker.com</a><br><a href="mailto:norzila@nihonparker.com">norzila@nihonparker.com</a> |
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|                     |   |
|---------------------|---|
| <b>Description:</b> | <b>Date Revised :</b> 24 September 2018 |
|---------------------|---|

## SECTION 2 : HAZARD IDENTIFICATION

### GHS Classification

#### Physical hazards:

|   |                               |
|---|-------------------------------|
| Explosives  | : Not applicable              |
| Flammable gases   | : Not applicable              |
| Flammable aerosols  | : Not applicable              |
| Oxidizing gases   | : Not applicable              |
| Gases under pressure  | : Not applicable              |
| Flammable liquids   | : Classification not possible |
| Flammable solids  | : Not applicable              |
| Self-reactive substances and mixtures   | : Not applicable              |
| Pyrophoric liquids  | : Not classified              |
| Pyrophoric solids   | : Not applicable              |
| Self-heating substances and mixtures  | : Not classified              |
| Substances and mixtures, which in contact with<br>water emit flammable gasses | : Not applicable              |
| Oxidizing liquids   | : Not classified              |
| Oxidizing solids  | : Not applicable              |
| Organic peroxides   | : Not applicable              |
| Corrosive to metals   | : Classification not possible |

#### Health hazard :

|  |                  |
|--|------------------|
| Acute toxicity – Oral                      | : Not classified |
| Acute toxicity – Dermal                    | : Not classified |
| Acute toxicity – Inhalation (Gases)        | : Not applicable |
| Acute toxicity – Inhalation (Vapours)      | : Not classified |
| Acute toxicity – Inhalation (Dusts, Mists) | : Not classified |
| Skin Corrosion / Irritation                | : Not classified |

|   |                               |
|---|-------------------------------|
| Serious Eye Damage / Eye Irritation                             | : Not classified              |
| Respiratory sensitization                                       | : Classification not possible |
| Skin sensitization  | : Classification not possible |
| Germ Cell Mutagenicity  | : Not classified              |
| Carcinogenicity   | : Classification not possible |
| Reproductive toxicity   | : Classification not possible |
| Specific target organ toxicity<br>following (single exposure)   | : Classification not possible |
| Specific target organ toxicity<br>following (repeated exposure) | : Classification not possible |
| Aspiration toxicity   | : Classification not possible |

**Environmental hazards:**

|   |              |
|---|--------------|
| Hazardous to the aquatic environment acute hazard   | : Category 1 |
| Hazardous to the aquatic environment chronic hazard | : Category 1 |

**GHS label elements:****Pictogram****Signal word** : Warning**Hazard Statements:**

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements****Prevention:**

P273 Avoid release to the environment.

**Response:**

Collect spillage

**Storage:**

Store at a specified position in a cool indoor place.

**Disposal:**

Dispose of contents/container through a licensed disposal agent in accordance with local/regional/national/international regulations (to be specified).

**SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS**

Division of chemical substance/mixture : Mixture

 Chemical name or generic name : **PREPALENE XG (PL-XG)**

| Ingredient    | CAS Number | Content (%) |
|---------------|------------|-------------|
| Zinc compound | -          | 30 - 40     |
| Water         | 7732-18-5  | -           |

**SECTION 4 : FIRST AID MEASURES**
**Description of first aid measures:**

|                                   |   |
|-----------------------------------|---|
| <b>INHALATION</b>                 | <ul style="list-style-type: none"> <li>- If feel unwell, remove to fresh air and keep at rest position comfortable for breathing.</li> <li>- If feel unwell, properly call a POISON CENTER or doctor/physician.</li> </ul>  |
| <b>SKIN</b>                       | <ul style="list-style-type: none"> <li>- Remove all chemicals from the victim's skin with cloth or paper towels.</li> <li>- If necessary, wash the victim's skin with running water or shower.</li> <li>- If necessary, take off immediately all contaminated clothing.</li> <li>- If necessary, call a POISON CENTER or doctor/physician.</li> </ul> |
| <b>EYES</b>                       | <ul style="list-style-type: none"> <li>- If necessary, rinse with water several minutes.</li> <li>- Rinse cautiously with water. Remove contact lenses, if present and easy to do.</li> <li>- If necessary, get medical advice/attention.</li> </ul>  |
| <b>INGESTION</b>                  | <ul style="list-style-type: none"> <li>- If necessary, rinse mouth.</li> <li>- If you feel unwell: Call a POISON CENTER or doctor/physician. Get medical advice/attention.</li> <li>- If the victim is vomiting, turn the head to the side so that the airways are not blocked.</li> </ul>  |
| <b>PROTECTION FOR FIRST-AIDER</b> | <ul style="list-style-type: none"> <li>- Personal protective equipment described in Section 8: Exposure control/Personal protection.</li> <li>- Ventilated area, if gases, vapours, mists or dusts occur.</li> </ul>  |

**SECTION 5 : FIRE FIGHTING MEASURES**
**Suitable Extinguishing Media:**

- This product is not combustible.

**Specific Extinguishing Method:**

- Remove combustible materials from fire area.
- Move container from fire areas if possible to do so without hazard.

- 
- Cool down container and the surrounding area by water, if container can't be moved.
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**Protection For Fire-Fighters:**

- Fight a fire from windward to avoid inhalation of vapour and combustion gases.
- In firefighting, wear proper protective equipment (fire fighter protective clothing, respiratory protection) to avoid inhale and contact with the chemical.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures:**

- Wear protective equipment regulated in Section 8 : Exposure Control and Personal Protection to avoid contact to eyes or skin and inhalant gases, dust and fumes.
- Set up off-limits area to prevent secondary disaster.
- Use local exhaust to avoid inhalant gases, mist, vapour or dust for indoor work.

**Environmental Precautions:**

- Acute toxic and toxic to aquatic life with long lasting effect. Do not drain the product or rinsing water to natural water system.
- In case of using waste water treatment equipment, call the administrator to avoid discharge the waste water involving the product.

**Methods and Materials for Containment and Cleaning Up:**

- Retrieve spilled material, using shovel or waste cotton.
- Dike to contain spill in case of large spill.
- Retrieve spilled material, collect and store in suitable.
- Spilled materials and contaminated substances should be disposed as regulated.

**Secondary Disaster Prevention Measures:**

- Set-up off-limits area to prevent secondary disaster.
- Call the section relating safety, hygiene, environment, disaster prevention etc.
- Take proper measures.

**Recovery, Neutralization and Disposal:**

- Harmful to aquatic life. Retrieve spilled substances.
  - In case of small spill, retrieve spilled material using absorbent such as sawdust, soil, sand, waste cotton.
  - Dike to contain spill in case of large spill. After collect in suitable area, dispose as regulated.
-

**SECTION 7 : HANDLING AND STORAGE****Technical Measures:**

- Take necessary steps to avoid contact and/or overexposure, for instant protective facilities, protective equipment regulated in Section 8 : Exposure Control and Personal Protection.
- Handle in a well-ventilated place.

**Local Ventilation/Total Ventilation:**

- Take necessary ventilation regulated in Section 8 : Exposure Control and Personal Protection.

**Precautionary Statements:**

- Wear suitable protective equipment and handle in a well-ventilated place.
- Wash hand and faces after handling. Do not bring a polluted protective equipment into the resting room.

**Safe Handling Instructions:**

- Avoid release to the environment.
- Avoid rough handling such as toppling, dropping, exposing shock, dragging.
- Take a measure to call attention to workers about hazard information by posting SDS.

**Avoid Contact Storage:**

- Refer to incompatible materials shown in Section 10 : Stability and Reactivity

**Suitable Condition:**

- Store at a specified position in a cool place.
- In every use, keep container tightly closed.

**Packing Material:**

- Use product containers or a container having enough strength.

**SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION****Protective equipment:**

- Make available hand wash and face wash in work place. After handling, wash hands and face.
- Use local exhaust, push-pull ventilation system or general ventilation.
- Ventilate sufficiently at workplace.

**Personal Protective Equipment****Respiratory Protection:**

- If necessary, wear proper respiratory protection.

**Hand Protection:**

- Wear chemical resistant gloves, if necessary.

**Eye Protection:**

- If necessary, use proper eye protection.

**Skin and Body Protection:**

- If necessary, wear proper protective clothing.

**Appropriate Hygiene Measures:**

- Wash hands after handling.
- Do not eat, drink or smoke when using this product.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Physical State : Liquid

Color : White

**Odour** : No Information

**pH** : No Information

**Melting Point/Freezing Point** : No Information

**Initial Boiling Point and**

**Boiling Range** : No Information

**Flash Point** : No Information

**Auto-Ignition Temperature** : No Information

**Upper/Lower Flammability**

**or Explosive Limits** : No Information

**Vapour Pressure** : No Information

**Vapour Density** : No Information

**Evaporation Speed** : No Information

**Specific Gravity(relative density)** : No Information

**Solubility in Water** : No Information

**Dissolubility in Water** : Slurry Product

**Solubility in Organic Solvent** : No Information

**Dissolubility in Organic Solvent** : No Information

**n-Octanol/Water**

**Partition Coefficient** : No Information

**Decomposition Temperature** : No Information

**SECTION 10 : STABILITY & REACTIVITY**
**Stability/Possibility of Hazardous Reaction:**

Stable under normal conditions.

**Condition to Avoid:**

No Information.

**Incompatibility Materials:**

No information

**Hazardous decomposition product:**

No Information

**SECTION 11 : TOXICOLOGICAL INFORMATION**
**Acute toxicity studies:**

Acute toxicity studies are shown as below:

|               |            |     |                        |
|---------------|------------|-----|------------------------|
| Zinc compound | LD50(oral) | Rat | >5000 mg/kg(anhydrous) |
|---------------|------------|-----|------------------------|

**Health Hazard Category List 1 :**

| Ingredients   | Skin Corrosion/Irritation | Serious Eye Damage/ Eye Irritating | Respiratory Sensitization | Skin Sensitization | Germ Cell Mutagenicity | Reproductive Toxicity |
|---------------|---------------------------|------------------------------------|---------------------------|--------------------|------------------------|-----------------------|
| Zinc compound | X                         | X                                  | X                         | X                  | X                      | X                     |
| Water         | X                         | X                                  | X                         | X                  | X                      | X                     |

**Health Hazard Category List 2:**

| Ingredients   | Specific Target Organ Toxicity-Single Exposure |            |            | Specific Target Organ Toxicity-Repeated Exposure |            | Aspiration Toxicity |
|---------------|--|------------|------------|--|------------|---------------------|
|               | Category1                                      | Category 2 | Category 3 | Category 1                                       | Category 2 |                     |
| Zinc compound | X  | X          | X          | X  | X          | X                   |
| Water         | X  | X          | X          | X  | X          | X                   |

X : Classification not possible

- : Not classified

**Carcinogenicity**

| Ingredient    | GHS Classification | IARC | NTP | EPA 1986 | EPA 1996 | EPA 2005 | ACGIH | EU Directive |
|---------------|--------------------|------|-----|----------|----------|----------|-------|--------------|
| Zinc compound | X                  |      |     |          |          |          |       |              |
| Water         | X                  |      |     |          |          |          |       |              |

## SECTION 12 : ECOLOGICAL INFORMATION

Hazardous to the aquatic environment

### Acute Toxicity

Zinc compound LC50 (96h) Fish (Rainbow trout) 0.09mg/L (anhydrous)

Ecotoxicity : No Information

Fish Toxicity : No Information

Effect on animal  
and plants : No Information

Bioaccumulative  
potential : No Information

### Environmental Effect

Persistence and  
degradability : No Information

Ozone Depleting  
potential : No Information

Global Warming  
potential : No Information

Mobility In Soil : No Information

Other Harmful  
Effects : No Information

## SECTION 13 : DISPOSAL CONSIDERATIONS

Residual Waste : Dispose of contents/container through a licensed disposal agent in accordance with local/regional/national/international regulations (to be specified)

Contaminated Container : Reuse containers after cleaning, dispose properly in accordance with related laws and local regulations.

and Contaminated Packaging Remove contents thoroughly from a container before disposal of it.

## SECTION 14 : TRANSPORT INFORMATION

- Make sure no leak in the container. Load steadily to avoid load shifting such as falling, dropping and damaged.
- Follow the procedure specified in section 7 – Handling and Storage.
- Regulatory information with regard to the transportation of this substances is describe as below:

UN number : 3082                      Class : 9                      Packing Group : III

❖ Land Transportation : Follow all regulations in the country or region.

- ❖ Marine Transportation : Follow the procedure specified by IMDG CODE. Do not discharge into the sea area.
- ❖ Air Transport : Follow the procedure specified by IATA REGULATION.

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**SECTION 15 : REGULATORY INFORMATION**

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- Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

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**SECTION 16 : ADDITIONAL INFORMATION**

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**Other Precautions:**

For industrial use only.

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**USERS RESPONSIBILITY:**

This product safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to ensure safe workplace operations. Please consult your local sales representative for any further information.

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**SECRECY OBLIGATION:**

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