

Safety Data Sheet

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name : PREPALENE XG (PL-XG)

Trader's Name: Nihon Parkerizing (M) Sdn. Bhd.	Emergency Telephone No.: 03-33410227,33410085,33410091
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Description:	Date Revised : 24 September 2022
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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 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 following (single exposure)	: Classification not possible
Specific target organ toxicity 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:

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

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.

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- 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.
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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)
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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.

SECTION 15 : REGULATORY INFORMATION

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

SECTION 16 : ADDITIONAL INFORMATION

Other Precautions:

For industrial use only.

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.

SECRECY OBLIGATION:

This document contains trade secrets, know-how, and other intellectual properties of the manufacturer. The purposes of this document are primarily to disclose information for occupational safety and health, to respond to requirement from relevant laws, ordinances, regulations and requirements from public authorities. Illegal use of any part of this document may from breach manufacture's intellectual properties and subject to compensation for damages.
