

Safety Data sheet

Revision date: 2025.01.20

Kerapatch

1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER


Product name: Kerapatch
Product Description: Phosphate bonded chrome-alumina plastic refractory
General use: The material is used for maintenance purpose to extend the life span of the refractory material and is mainly used to repair cracks and provide protection against abrasive and chemical wear.
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2. HAZARDS IDENTIFICATION

Physical hazards: Not classified

Health hazards: Skin corrosion / irritation Category 1A
Serious eye damage / eye irritation Category 1

Environmental hazards: Not classified

Label elements: 

Signal word: Danger

Hazard statement: Causes severe skin burns and eye damage.
Causes serious eye damage.
Causes skin irritation

Precautionary statement

Prevention: Wash thoroughly after handling it. Wear protective gloves, clothing, eye / face protection.

Response: Product ingested: Do NOT induce vomiting, rinse mouth.
Product on skin: Take off contaminated clothing. Rinse skin
Product inhaled: Move person to fresh air and ensure comfortable breathing.
Product in eyes: Rinse eyes with water for several minutes. If needed and possible remove contact lenses. Continue rinsing.

Immediately call a doctor or medical personnel.
Wash contaminated clothing.

Storage: Store locked up. Product should be stored in a closed bucket and away from excessive heat.



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Disposal: Dispose product/container according to local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Proportion (%)
Fused Chrome Alumina	-	<50
Alumina	1344-28-2	<40
Plasticizers	1332-58-7	<10
Phosphoric acid	7664-38-2	<15
Preservatives	-	<2

4. FIRST AID MEASURES

Eye Contact:	Rinse eyes after contact with running clean water. Continue flushing for at least 15 minutes. Do not rub eyes. If irritation persists, seek medical attention. If person is wearing contact lenses, then it should be removed by a professional.
Skin contact:	Remove contaminated clothing and wash contact areas with clean water and soap. Seek medical attention if irritation continues.
Inhalation:	Move person to fresh air. If coughing occurs seek medical attention
Ingestion:	Do not induce vomiting and drink plenty of water. Do not give anything by mouth to an unconscious person.
Most important symptoms/effects:	Burning pain and severe corrosive skin damage. Causes severe eye damage. Symptoms may include blurred vision, stinging, redness, swelling and tearing. Permanent eye damage including blindness could result.
Indication of immediate medical attention / treatment needed:	Treat symptomatically. Chemical burns: Immediately flush with water. Remove clothing that does not affect the contaminated area while continuously flushing. Call an ambulance. Continue to flush during transportation. Keep person under observation. Some symptoms might be delayed. Ensure medical personnel are aware of material(s) involved.

5. FIRE FIGHTING MEASURES

Flammability:	Non flammable.
Fire and explosion:	Incombustible and inert in fire.
Suitable Extinguishing media:	No specific requirements.

Material is not combustible. Use suitable extinguishing media for surrounding combustible materials.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid direct contact with product by wearing protective clothing, equipment and chemical resistant gloves. Ensure adequate ventilation.
Clean up measures:	Collect containers for disposal or recovery. Wear appropriate personal protection equipment Do not return spilled materials to containers for re-use.
Environmental precautions:	Avoid discharge into drains, watercourses and onto ground.

7. HANDLING AND STORAGE

Safe Handling:	Avoid direct contact with product or dusts from product by wearing protective clothing and equipment, using approved respiration protection and wearing chemical resistant gloves.
Safe storage:	Product should be stored in a closed bucket and away from excessive heat.
Stacking:	Not recommended

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:	Not determined.
Biological limit values	Not determined.
Appropriate engineering controls	Ensure good general ventilation. If exposure limits have not been established, ensure airborne levels are acceptable levels and maintained. When handling the product, emergency showers and eye wash facilities must be available.
Respiratory Protection:	This product is a proprietary mixture of unique ingredients. No established exposure limit for airborne concentrations and people working in the environment. Some type of respiratory protection is recommended even under the best conditions, especially when using of product results in the formation of airborne particles. Respirator selection should be made after consultation with a competent health and safety professional.
Eye Protection:	Wear chemical goggles or safety glasses with side shields with side shields where there is a risk of contact with material. Do not touch eyes when hand have been exposed to material. Have eye washing facilities available. Do not wear contact lenses without appropriate eye protection.
Hand Protection:	Suitable chemical resistant gloves to prevent direct skin contact.
Protective Clothing:	Protective clothing designed to limit direct exposure to material. Contaminated clothing should be washed separately from other clothing.
Hygiene Measures:	Wash clothing after contamination, dispose of gloves, wash hands before eating and drinking.
Thermal Protection:	When necessary, wear appropriate thermal protective clothing.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark/Grey Paste
Odor:	Acidic / chemical odor
pH:	Acidic
Vapor Pressure:	Not available
Vapor Density:	Not available
Boiling Point:	Not available
Melting Point:	>1500°C
Relative density:	2800 kg/m ³
Evaporation rate:	Not available
% Volatiles:	Not available
Flammability:	Non Flammable
Flash Point:	Not available
Flammable Limits – Lower and Upper:	Not available

10. STABILITY AND REACTIVITY

Reactivity:	Product is stable under normal conditions for shipping, storage and installation.
Chemical Stability:	Product is stable under normal conditions
Conditions to avoid:	Keep packaging closed. Products go hard when exposed to heat.
Incompatible Material:	Chorine. Incompatibility is based strictly upon potential theoretical reactions between chemicals and may not be specific to industrial application exposure.
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	No hazardous polymerization is known.
Hazardous Reaction:	No hazardous reactions are known.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary:	Reduce eye or skin contact..
Eye:	Contact with product may cause irritation.
Skin:	Repeated or prolonged contact may cause irritation and/or severe burns.
Inhalation:	May irritate the respiratory tract on prolonged or repeat contact and may aggravate pre-existing respiratory conditions.
Ingestion:	Causes digestive tract burns.
Carcinogenicity:	Not determined.
Chronic Effects:	Prolonged inhalation may be harmful.
Symptoms related to physical, chemical and toxicological characteristics:	Chemical burns: Immediately flush with water. Remove clothing that does not affect the contaminated area while continuously flushing. Call an ambulance. Continue to flush during transportation. Keep person under observation.

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12. ECOLOGICAL INFORMATION

No information regarding the eco-toxicity or environmental fate of the product

There is the possibility that large and frequent spills and discharge can have harmful and damaging effects on the environment.

13. DISPOSAL CONSIDERATIONS

Do not discard close to water drinking source.

Since emptied containers or liners may retain product residue, it should be taken to an approved waste handling site for recycling and disposal.

The as-manufactured product refractory or dust is not considered hazardous.

The used product and the dust generated during maintenance may be contaminated with hazardous substances and therefore appropriate waste analysis may be necessary to determine disposal methods.

14. TRANSPORT INFORMATION

Not regulated as a hazardous material

15. REGULATORY INFORMATION

Not applicable

16. OTHER INFORMATION

The information provided in this document has been compiled from sources considered accurate and dependable to the best of our knowledge, but it is not guaranteed to be so. This information is for the use and evaluation of this product in respect to hazards (safety, health and environmental). It remains the responsibility of the user to determine the product suitability for a specific purpose and to adopt the necessary safety precautions. We make no warranty as to the results to be obtained in using any material. This information is no product warranty or base for legal relationship.

It is not allowed to derive liabilities and warranties from this safety data sheet against MT Refractories (Pty) Ltd.