

1. Product and Company Identification

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Product Name Diatomite
Part Number RXSOL-19-1789-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Chemical Name	CAS No	Weight	CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567
Diatomaceous earth	61790-53-2	100	Eye Irrit. 2 (H319) STOT SE 3 (H335) STOT RE 2 (H373)

3. Hazards Identification

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Classification of the substance or mixture

CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Physical hazards	Based on available data, the classification criteria are not met
Health hazards	
Serious Eye Damage/Eye Irritation	Category 2 (H319)
Specific target organ toxicity - (single exposure)	Category 3 (H335)
Specific target organ toxicity - (repeated exposure)	Category 2 (H373)
Environmental hazards	Based on available data, the classification criteria are not met

Label elements

Signal Word	Warning
Hazard Statements	H319 - Causes serious eye irritation H335 - May cause respiratory irritation H373 - May cause damage to organs through prolonged or repeated exposure
Precautionary Statements	P260 - Do not breathe dust/fume/gas/mist/vapors/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

This product does not contain any known or suspected endocrine disruptors

Other hazards

4. First Aid Measures

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Description of first aid measures

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.

Ingestion

Do NOT induce vomiting. Get medical attention.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Self-Protection of the First Aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

No information available

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically

5. Fire-fighting Measures

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Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available

Special hazards arising from the substance or mixture

Non-combustible

Hazardous Combustion Products

Silicon dioxide

Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation. Avoid contact with eyes.

Environmental Precautions

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Avoid dust formation. Sweep up and shovel into suitable containers for disposal.

Reference to other sections

Refer to protective measures listed in Sections 8 and 13

7. Handling and Storage

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Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If swallowed then seek immediate medical assistance.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

Conditions for safe storage, including any incompatibilities	Keep in a dry, cool and well-ventilated place. Keep container tightly closed
Specific end use(s)	Use in laboratories

8. Exposure controls and personal protection

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Control parameters

Exposure limits	List source(s): UK - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020.
Biological limit values	This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies
Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)	No information available
Predicted No Effect Concentration (PNEC)	No information available

Exposure controls

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source
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Personal protective equipment

Eye Protection	Goggles (European standard - EN 166)
Hand Protection	Protective gloves
Skin and body protection	Long sleeved clothing.
Inspect gloves before use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)	
Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove gloves with care avoiding skin contamination.	
Respiratory Protection	No protective equipment is needed under normal use conditions
Large scale/emergency use	Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced
Small scale/Laboratory use	Maintain adequate ventilation
Environmental exposure controls	No information available

9. Physical and chemical properties

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Physical state	Powder Solid
Appearance	Grey
Odor	Odorless
Odor Threshold	No data available
Melting Point/Range	1610 °C / 2930 °F
Softening Point	No data available
Boiling Point/Range	No information available
Flammability (liquid)	Not applicable
Flammability (solid,gas)	No information available
Explosion Limits	No data available

Flash Point	No information available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
pH	5-8
Viscosity	Not applicable
Water Solubility	Insoluble
Solubility in other solvents	No information available
Vapor Pressure	10 mmHg @ 1730 °C
Density / Specific Gravity	2.2
Bulk Density	No data available
Vapor Density	No applicable
Particle characteristics	No data available
Other information	
Molecular Formula	O2 Si
Molecular Weight	60.08
Evaporation Rate	Not applicable - Solid

10. Stability and reactivity

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Reactivity	None known, based on information available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	No information available
Conditions to avoid	Incompatible products. Exposure to moisture. Avoid dust formation.
Incompatible materials	Strong oxidizing agents. Strong acids.
Hazardous decomposition products	Silicon dioxide.

11. Toxicological information

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Information on hazard classes as defined in Regulation (EC) No 1272/2008

Product Information	No acute toxicity information is available for this product
Acute toxicity	
Oral	No data available
Dermal	No data available
Inhalation	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	Category 2
Respiratory or skin sensitization	
Respiratory	No data available
Skin	No data available
Germ cell mutagenicity;	No data available
Carcinogenicity	No data available
	There are no known carcinogenic chemicals in this product
Reproductive toxicity	No data available
STOT-single exposure	Category 3
Results / Target organs	Respiratory system.
STOT-repeated exposure	Category 2
Route of exposure	Inhalation
Target Organs	Respiratory system.

Aspiration hazard	Not applicable
Other Adverse Effects	Solid The toxicological properties have not been fully investigated.
Symptoms / effects, both acute and delayed	No information available.
Information on other hazards	
Endocrine Disrupting Properties	Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

12. Ecological information

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Toxicity	
Ecotoxicity effects	
Persistence and Degradability	No information available
Persistence	
Degradability	
Bioaccumulative potential	No information available
Mobility in soil	No information available
Results of PBT and vPvB assessment	No data available for assessment
Endocrine Disruptor Information	This product does not contain any known or suspected endocrine disruptors
Other adverse effects	
Persistent Organic Pollutant	This product does not contain any known or suspected substance
Ozone Depletion Potential	This product does not contain any known or suspected substance

13. Disposal considerations

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Waste treatment methods	
Waste from Residues/Unused Products	Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.
Contaminated Packaging	Dispose of this container to hazardous or special waste collection point.
European Waste Catalogue (EWC)	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
Other Information	Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains.

14. Transport information

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IMDG/IMO	Not regulated
ADR	Not regulated
IATA	Not regulated
Environmental hazards	No hazards identified
Special precautions for user	No special precautions required.
Maritime transport in bulk according to IMO instruments	Not applicable, packaged goods

15. Regulatory information

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

Component	CAS No	EINECS	ELINCS	NLP	IECSC	TCSI	KECL	ENCS	ISHL
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Diatomaceous earth	61790-53-2	-	-	-	X	X	KE-21794	X	X
Component	CAS No	TSCA	TSCA Inventory	DSL	NDSL	AICS	NZIoC	PICCS	
			notification -						
			Active-Inactive						
Diatomaceous earth	61790-53-2	X	ACTIVE	-	X	X	X	X	X
Chemical safety assessment					A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted				

16. Other information

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Other Information

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