

1. Product and Company Identification

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Product Name Ferric phosphate
Part Number RXSOL-19-1627-050

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Component	CAS No	Weight-%
Iron(III) phosphate hydrate	51833-68-2	100
Phosphoric acid, iron(3+) salt (1:1)	10045-86-0	

3. Hazards Identification

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Classification	Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Label elements	None required
Hazards not otherwise classified (HNOC)	None identified

4. First Aid Measures

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Description of first aid measures

General Advice	If symptoms persist, call a physician.
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. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Most important symptoms and effects, both acute and delayed	None reasonably foreseeable
Note to physicians	Treat symptomatically.

5. Fire-fighting Measures

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Unsuitable extinguishing media	No information available
Flash Point	No information available

Method	No information available
Autoignition Temperature	No information available.
Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available
Specific Hazards Arising from the Chemical	Non-combustible.
Hazardous Combustion Products	None known.
Protective Equipment and Precautions 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	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.
Environmental Precautions	Should not be released into the environment.
Methods for Containment and Clean Up	Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

7. Handling and Storage

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Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid ingestion and inhalation. Avoid dust formation. Do not get in eyes, on skin, or on clothing.
Storage	Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials. Strong oxidizing agents.

8. Exposure controls and personal protection

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Exposure Guidelines	
Engineering Measures	None under normal use conditions.
Personal Protective Equipment	
Eye/face protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory protection	No protective equipment is needed under normal use conditions.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

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Physical state	Powder Solid
Appearance	Light yellow
Odor	No information available
Odor threshold	No information available
pH	3.3 - 3.4
Melting Point/Range	> 450 °C / > 842 °F
Boiling Point/Range	No information available
Flash Point	No information available

Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	Insoluble
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	Fe O4 P . x H2 O
Molecular Weight	150.82

10. Stability and reactivity

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Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	None under normal use conditions
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. Toxicological information

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Acute Toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid, iron(3+) salt (1:1)	LD50 > 2,000 mg/kg (rat)	Not listed	LC50 > 5.05 mg/l (rat)
Toxicologically Synergistic		No information available	

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as acarcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Iron(III) phosphate hydrate	51833-68-2	Not listed	Not listed	Not listed	Not listed	Not listed
Phosphoric acid, iron(3+) salt (1:1)	10045-86-0	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Teratogenicity	No information available.

STOT - single exposure	None known
STOT - repeated exposure	None known
Aspiration hazard	No information available.
Symptoms / effects, both acute and delayed	No information available.
Endocrine Disruptor Information	No information available.
Other Adverse Effects	The toxicological properties have not been fully investigated.

12. Ecological information

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Ecotoxicity	Do not empty into drains.
Persistence and degradability	Insoluble in water
Bioaccumulation/ Accumulation	No information available.
Mobility	Is not likely mobile in the environment due its low water solubility

13. Disposal considerations

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Waste Disposal Methods	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
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14. Transport information

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DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

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United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification	TSCA - RegulatoryFlags	EPA
				Active-Inactive	
Iron(III) phosphate hydrate	51833-68-2	-	-	-	
Phosphoric acid, iron(3+) salt (1:1)	10045-86-0	X	ACTIVE	-	

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Iron(III) phosphate hydrate	51833-68-2	-	-	-	-	-	-	-	-	-
Phosphoric acid, iron(3+) salt (1:1)	10045-86-0	X	-	233-149-7	-	X	X	X	X	KE-21109

U.S. Federal Regulations

SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know

Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phosphoric acid, iron(3+)	-	-	X	-	X
salt (1:1)					

U.S. Department of Transportation

Reportable Quantity (RQ)	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N
U.S. Department of Homeland Security	This product does not contain any DHS chemicals
Other International Regulations	
Mexico - Grade	No information available

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

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Iron(III) phosphate hydrate	51833-68-2	Not applicable	Not applicable	Not applicable	Not applicable
Phosphoric acid, iron(3+) salt (1:1)	10045-86-0	Not applicable	Not applicable	Not applicable	Not applicable
Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention(Hazardous Waste)
Iron(III) phosphate hydrate	51833-68-2	Not applicable	Not applicable	Not applicable	Not applicable
Phosphoric acid, iron(3+) salt (1:1)	10045-86-0	Not applicable	Not applicable	Not applicable	Not applicable

Other Information

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