

## 1. Product and Company Identification

www.rxmarine.com

Product Name Potassium Permagnate (50 ML Pkg)  
Part Number RXSOL-60-6110-001

### Company Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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## 2. Composition / Information on ingredients

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Chemical Name	CAS	EC numbe	Weight	Formula
Potassium permanganate	7722-64-7	231-760-3	2.000 mg/kg (OECD Test Guideline 402)	
Skin corrosion/irritation	Skin - Rabbit Result: Corrosive after 4 hours or less of exposure (OECD Test Guideline 404)			
Serious eye damage/eye irritation	Remarks: Causes serious eye damage.			
Respiratory or skin sensitization	Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406)			
Toxic Effects on Human	May cause damage to the following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung sensitizer).			
Carcinogenicity	Remarks: No data available			
Germ cell mutagenicity	Test Type: Ames test Test system: Escherichia coli/Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: Mouse lymphoma test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative Test Type: In vivo			

	<p>micronucleus test Species: Rat Cell type: Bone marrow Application Route: Oral Method: OECD Test Guideline 474 Result: negative</p>
Reproductive toxicity	Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	Inhalation - May cause damage to organs through prolonged or repeated exposure. - Brain
Special Remarks on other Toxi Effects on Humans	<p>Acute Potential Health Effects: Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Eyes: Causes eye irritation. Ingestion: Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed. Inhalation: Causes respiratory tract irritation. May cause chemical pneumonitis and pulmonary edema, inflammation, edema of bronchi and larynx. Chronic Potential Health Effects: Repeated or prolonged skin exposure may cause allergic reactions in sensitive individuals. Repeated or prolonged exposure by inhalation may affect respiration and metabolism.</p>
Endocrine properties	<p>disrupting The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. RTECS: SD6475000 Contact with skin can cause:, Edema, Necrosis, Effects due to ingestion may include:, methemoglobinemia, psychological disturbances, Vomiting, Nausea, Diarrhea To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p>

## 12. Ecological information

Bioaccumulative potential	No data available
Persistence and degradability	The methods for determining the biological degradability are not applicable to inorganic substances.
Toxicity to fish	Semi-static test LC50 - <i>Poecilia reticulata</i> (guppy) - 0,47 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Semi-static test EC50 - <i>Daphnia magna</i> (Water flea) - 0,06 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	Static test ErC50 - <i>Desmodesmus subspicatus</i> (green algae) - 0,8 mg/l - 72 h (OECD Test Guideline 201) static test NOEC - <i>Desmodesmus subspicatus</i> (green algae) - 0,32 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	Static test EC50 - activated sludge - 164 mg/l - 180 min (OECD Test Guideline 209)
Mobility in soil	No Information available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	No data available

### 13. Disposal considerations

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Disposal methods	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	See <a href="http://www.retrologistik.com">www.retrologistik.com</a> for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

### 14. Transport information

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UN number	ADR/RID: 1490 IMDG: 1490 IATA: 1490
UN proper shipping name	ADR/RID:POTASSIUMPERMANGANATE,IMDG:POTASSIUMPERMANGANATE IATA:POTASSIUMPERMANGANATE
Transport hazard class	ADR/RID: 5.1 IMDG: 5.1 IATA: 5.1
Packaging group	ADR/RID: II IMDG: II IATA: II
Environmental hazards	ADR/RID: yes IMDG: yes IATA: NO
Further information	Not classified as dangerous in the meaning of transport regulations.

### 15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations specific for the product in question	European Inventory of Existing Commercial Chemical Substances (EINECS) -Listed.EC Inventory Listed. United States Toxic Substances Control Act (TSCA) Inventory- Listed. China Catalog of Hazardous chemicals 2015 Not- Listed. New Zealand Inventory of Chemicals (NZIoC)Listed. PICCS -Listed. Vietnam National Chemical Inventory -Listed. IECSC Listed. Korea Existing Chemicals List (KECL) -Listed.
National legislation	Seveso III: Directive 2012/18/EU of the European Parliament and of the

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Council on the control of major-accident hazards involving dangerous substances. : OXIDISING LIQUIDS AND SOLIDS : ENVIRONMENTAL HAZARDS : OXIDISING LIQUIDS AND SOLIDS : ENVIRONMENTAL HAZARDS

Other regulations

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

## 16. Other information

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Other Information

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