

1. Product and Company Identification

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Product Name Ammonium Persulfate
Part Number RXSOL-60-6216-500

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Name	CAS #	% by Weight
Ammonium persulfate	7727-54-0	100

3. Hazards Identification

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Potential Acute Health Effects : Hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation (lung irritant, lung sensitizer). Prolonged exposure may result in skin burns and ulcerations. Over-exposure by inhalation may cause respiratory irritation.

Potential Chronic Health Effects:

Carcinogenic Effects	:	Not available.
Mutagenic Effects	:	Not available.
Teratogenic Effects	:	Not available.
Developmental Toxicity	:	Not available.

The substance may be toxic to upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

4. First Aid Measures

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Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person

providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

5. Fire-fighting Measures

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Flammability of the Product	:	May be combus
Auto-Ignition Temperature	:	Not available
Flash Points	:	Higher than 93
Flammable Limits	:	Not available
Products of Combustion	:	Not available
Fire Hazards in Presence of Various Substances	:	Slightly flamma sparks, of heat,

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact	:	Not available
Risks of explosion of the product in presence of static discharge	:	Not available. s combustible m
Fire Fighting Media and Instructions	:	Oxidizing mate water. Avoid c
Special Remarks on Fire Hazards	:	Not available
Special Remarks on Explosion Hazards	:	Not available

6. Accidental Release Measures

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Small Spill : Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill : Oxidizing material. Stop leak if without risk. Avoid contact with a combustible material (wood, paper, oil, clothing...). Keep substance damp using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

7. Handling and Storage

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Precautions : Keep away from heat. Keep away from sources of ignition. Keep away from combustible material.. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as reducing agents, combustible materials, organic materials, metals.

Storage : Strong Oxidizer. Moisture Sensitive. Keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from acids, alkalies, reducing agents and combustibles. See NFPA 43A, Code for the Storage of Liquid and Solid Oxidizers. Do not store above 23°C (73.4°F).

8. Exposure controls and personal protection

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Engineering Controls : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection in Case of a Large Spill : Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Personal Protection	:	Splash goggles,
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		approved/certif
Exposure Limits	:	Not available

9. Physical and chemical properties

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Physical state and appearance	:	Solid.
Odor	:	Unpleasant. (Slight.)
Taste	:	Not available.
Molecular Weight	:	228.2 g/mole
Color	:	White to yellowish. (Light.)
pH (1% soln/water)	:	Not available.
Boiling Point	:	Not available.
Melting Point	:	120°C (248°F)
Critical Temperature	:	Not available.
Specific Gravity	:	1.98 (Water = 1)
Vapor Pressure	:	Not available.
Vapor Density	:	Not available.
Volatility	:	Not applicable.
Odor Threshold	:	Not available.
Water/Oil Dist. Coeff.	:	Not available.
Ionicity (in Water)	:	Not available.
Dispersion Properties	:	See solubility in water.
Solubility	:	Soluble in cold water, hot water.

10. Stability and reactivity

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Stability	:	The product is
Instability Temperature	:	Not available.
Conditions of Instability	:	Excess heat, ign
Incompatibility with various substances	:	Reactive with r materials, meta
Corrosivity	:	Non-corrosive
Special Remarks on Corrosivity	:	Not available.
Polymerization	:	Will not occur.

Special Remarks on Reactivity : Strong oxidizer. Moisture sensitive. May decompose on exposure to moist air or water. May be shock sensitive and thermally unstable. Decomposes when heated. Incompatible with powdered aluminum, iron, sodium peroxide.

11. Toxicological information

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Routes of Entry	:	Inhalation. In
Toxicity to Animals	:	Acute oral tox
Chronic Effects on Humans	:	May cause da
Other Toxic Effects on Humans	:	Hazardous in inhalation (lu
Remarks on Toxicity to Animals	:	Not available.
Remarks on Chronic Effects on Humans	:	Not available.

Special Remarks on other Toxic Effects on Humans :

Acute Potential Health Effects

Skin		Causes skin irritation which becomes evident upon re-exposure.
Eye		Causes eye irritation.
Ingestion		Causes gastrointestinal irritation, vomiting, and diarrhea.
Inhalation		Causes respiratory irritation and pulmonary effects.

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.

12. Ecological information

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Ecotoxicity	:	Not available.
BOD5 and COD	:	Not available.
Products of Biodegradation	:	Possibly hazardous. However, long-term effects are not known.
Toxicity of the Products of Biodegradation	:	The products of biodegradation are not known.
Special Remarks on the Products of Biodegradation	:	Not available.

13. Disposal considerations

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Waste Disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

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DOT Classification	:	CLASS 5.1: Oxidizing
Identification	:	Ammonium Persulfate
Special Provisions for Transport	:	Not available.

15. Regulatory information

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Federal and State Regulations	:	Connecticut Hazardous Waste Regulations; New Jersey: Ammonium persulfate
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Other Regulations:

OSHA	:	Hazardous by definition under OSHA CFR 1910.1200. Inventory of Extremely Hazardous Substances.
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Other Classifications:

WHMIS (Canada)	:	CLASS C: Oxidizing
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DSCL (EEC):

R8	:	Contact with water releases flammable gas.
R20/22	:	Harmful by inhalation and in contact with skin.
R36/37/38	:	Irritating to eyes, respiratory system and skin.
R42/43	:	May cause sensitization by inhalation and skin contact.
S22	:	Do not breathe dust.

S24	:		Avoid contact v immediately w
S37	:		Wear suitable g

HMIS (U.S.A.):

Health Hazard	:		2
Fire Hazard	:		1
Reactivity	:		3
Personal Protection	:		E

National Fire Protection Association (U.S.A.):

Health	:		2
Flammability	:		1
Reactivity	:		3
Specific hazard	:		

Protective Equipment : Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

16. Other information

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