

1. Product and Company Identification

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Product Name Nitric Acid 3.0 Normal Solution
Product Type RXSOL-60-6255-500

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Nitric Acid	CAS# 7697-37-2	18 - 20%	V/V	OSHA TWA 2ppm(5mg/m ³),STEL 4 ppm
Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards Identification

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Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview: Poison! Danger! Oxidizer. Contact With Other Material May Cause Fire. Corrosive. Liquid And Mist Cause Severe Burns To All Body Tissue. May Be Fatal If Swallowed. Harmful If Inhaled. Inhalation May Cause Lung And Tooth Damage.

Inhalation: Corrosive! Inhalation of Vapors can Cause Breathing Difficulties and Lead to Pneumonia and Pulmonary Edema, Which may be Fatal. Other Symptoms may Include Coughing, Choking, and Irritation of the Nose, Throat, and Respiratory Tract.

Ingestion: Corrosive! Swallowing Nitric Acid can Cause Immediate Pain and Burns of the Mouth, Throat, Esophagus and Gastrointestinal Tract.

Skin: Corrosive! Can Cause Redness, Pain, and Severe Skin Burns. Concentrated Solutions Cause Deep Ulcers and Stain Skin Yellow or Yellow-Brown Color.

Eye Contact: Corrosive! Vapors are Irritating and may Cause Damage to the Eyes. Contact may Cause Severe Burns and Permanent Eye Damage.

Chronic Exposure: Persons with Pre-Existing Skin Disorders, Eye Disease, or Cardiopulmonary Diseases may be more Susceptible to the Effects of this Substance.

Aggravated by Exposure: More Susceptible to the Effects of this Substance.

4. First Aid Measures

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Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse

EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION:	Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

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Fire Extinguisher Type:

Fire Extinguisher Remarks:

Fire Fighting Procedures:

Water spray, Carbon dioxide, dry chemical, powder, foam.
May react explosively with combustible organic or readily oxidizing materials.
Wear self-contained breathing apparatus and protective clothing to protect skin and clothing.

6. Accidental Release Measures

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Absorb with inert material and recover for proper disposal. Neutralize with weak base.

Ventilate area or Leak or Spill. Remove all Sources of Ignition. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering. Contain and Recover Liquid when Possible. Neutralize with Alkaline Material (Soda Ash, Lime), then Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! If a Leak or Spill has not Ignited, Use Water Spray to Disperse Vapors, to Protect Personnel Attempting to Stop Leak, and to Flush Spills Away from Exposures. US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities

7. Handling and Storage

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Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

8. Exposure controls and personal protection

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Respiratory Protection	NIOSH/MSHA-approved respirator
Ventilation	Local
OTHER	Mechanical
Protective Gloves	NIOSH Approved Gloves
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

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BOILING POINT	information not available
VAPOR PRESSURE	not available
MELTING POINT	information not available
VAPOR DENSITY	not available
EVAPORATION RATE	information not available
Appearance /Odors	Clearless liquid, odorless
Flash Point	Not applicable
Specific Gravity	information not available
Freezing Point	>90

Freezing Point:

Explosion Limit:

Ann Update Temp

No applicable

Lower Flamm. Limit in Air

No applicable

Upper Flamm. Limit in Air

No applicable

Solubility in Water

Soluble

10. Stability and reactivity

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STABILITY

CONDITIONS TO AVOID

Extreme heat

MATERIALS TO AVOID

Oxidizers, bases, metal powders, carbides, organic materials

HAZARDOUS DECOMPOSITION

Toxic Nitrogen Oxides

PRODUCTS

HAZARDOUS POLYMERIZATION

will not occur

Conditions to Avoid

None known

11. Toxicological information

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Hydrogen Chloride - IARC Category 3, NTP Carcinogen - Known: No

12. Ecological information

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Environmental Fate: No information found

Environmental Toxicity: No information found

13. Disposal considerations

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Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements

14. Transport information

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DOT Classification: UN2031, Nitric Acid Solution, 8, PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

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Chemical Inventory Status

Part 1:Ingredient

Nitric Acid (7697-37-2)

TSCA Yes

EC Yes

Japan YES

Australia Yes

Chemical Inventory Status

Part 2:Ingredient

Nitric Acid (7697-37-2)

Korea Yes

DSL Yes

NDSL No

Phil. Yes

Federal, State & International Regulations ☒

Part 1: Ingredient.

Nitric Acid (7697-37-2)

RQ 1000

TPQ 1000

List YES

Chemical Catg No

Federal, State &

International Regulations ☒

Part 2:Ingredient

Nitric Acid (7697-37-2)

CERCLA 1000

261.33 No

8(d) No

Chemical Weapons Convention: No

TSCA 12 (b):No

CDTA:No MIXTURE/LIQUID

SARA 311/312: Acute:YES

Chronic: YES

Fire: No

Pressure: No

Reactivity: YES

Australian Hazchem Code: 2PE

Poison Schedule:S6

16. Other information

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Conditions aggravated/Target organs: Persons with preexisting skin, eye, or respiratory disorders may be more susceptible. Acute: Corrosive. Irritation and burns to skin, eyes, lungs, mucous membranes, and GI tract. Coughing, Choking. Chronic: Errosion

Flammability

Health

Reactivity

Revisions

NFPA

7/30/2010

0.1 updated msds to 16 section from 10 section msds. STN

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