

1. Product and Company Identification

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Product Name	PL-CON Tank cleaner
Part Number	RXSOL-20-2221-025

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 of Substance	Cas Number	EC Number	Molecular Formula	Molar Mass
PL-CON Tank cleaner	7697-37-2	231-714-2	HNO3	63,01 g/mol

3. Hazards Identification

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Handling Signal Word

Danger

Hazard Statements

H272 May intensify fire; oxidiser.

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements - prevention

P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking.

P220 Keep/store away from clothing/combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

P234 Keep only in original container.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - response

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water.

P304+P340 IF INHALED: remove person to fresh air and keep at rest in a position comfortable for breathing.

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

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire: use sand, carbon dioxide or powder extinguisher for extinction.

P390 Absorb spillage to prevent material damage.

4. First Aid Measures

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General Note

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. If unconsciousness place person in the recovery position. Never give anything by mouth.

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. If water is not available, use what is available. Get medical attention.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing and thoroughly clean shoes before reuse. Get medical attention if irritation develops and persists.

Inhalation:

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

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. Serious complications may develop rapidly. If you feel unwell, seek medical advice.

5. Fire-fighting Measures

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Flammability

Non-flammable.

Flash Point

Not applicable.

Suitable extinguishing media

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

Hazardous combustion products

Nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

Protective Equipment

Use personal protective equipment.

Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with suitable protective equipment from a reasonable distance.

6. Accidental Release Measures

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Small Spillage

Dilute with water and mop up, or neutralise by Soda Ash solution, and place in an appropriate waste disposal container. If a spillage is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Personal Protection

Remove persons to safety. Wear breathing apparatus if exposed to vapours/dust/spray/gases.

Environmental Precaution

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

Methods and materials for containment and cleaning up

Covering of drains. Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, diatomaceous earth, universalbinder).Neutralisation techniques - Use of adsorbent materials.Place in appropriate containers for disposal. Vesselise area.

7. Handling and Storage

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Handling

Do not get in eyes, on skin, or on clothing. Use local and general ventilation. Use only in well ventilated areas. Take appropriate measures to avoid mixing with combustibles. Do not mix with alkali. Use organic absorbing material - pulp/paper - caustic solution. Wash thoroughly after handling.

Storage

Store in corrosive resistant container with a resistant inner liner. Keep reduction valves free from grease and oil. Observe good industrial hygiene. Do not store in combined storage. Keep/store away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles.

Advice on general occupational hygiene

Packing : Only packagings which are approved (e.g. acc. to ADR) may be used. Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are used for food or drink. Keep away from food, drink and animal feedingstuffs.

8. Exposure controls and personal protection

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Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of vapors. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 2 STEL: 4 (ppm) from ACGIH (TLV) [United States] TWA: 2 STEL: 4 from OSHA (PEL) [United States]

authorities for acceptable exposure limits.

Other Protection Measure

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended thoroughly after handling. In case of inadequate ventilation wear respiratory protection. Use appropriate control measures to prevent environmental contamination. Keep away from drains, surface and ground water.



Gloves Suit

9. Physical and chemical properties

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Form	Liquid
Colour	Different
Odour	characteristic
Solubility	Soluble in water
Soluble in water	Infinite
Specific Gravity (20 °C)	1.002
pH	Acidic
Boiling Point	121°C (249.8°F)
Melting Point	-41.6°C (-42.9°F)
Critical Temperature	Not Available
Flammability (solid, gas)	Not relevant (fluid)
Explosive limits	Not Determine
Vapour pressure	Not Determine
Density	Not Determine
Relative density Information	Not Determine
Viscosity	Not Determine
Partition coefficient	-----
Explosive properties	None
Oxidising properties	Oxidiser

10. Stability and reactivity

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Recativity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". It's a reactive substance. It contains reactive substance(s): oxidising property, corrosive to metals

Stability

Product is stable.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

There are no specific conditions known which have to be avoided. Keep reduction valves free from grease and oil.

Incompatible materials

bases - combustible materials

Hazardous combustion products

bases - Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating. Hazardous combustion products: see section 5. combustible materials

11. Toxicological information

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Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.
Specific target organ toxicity (STOT)	Shall not be classified as a specific target organ toxicant.
Aspiration hazard	Shall not be classified as presenting an aspiration hazard.
Other information	Corrosive to the respiratory tract

12. Ecological information

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Toxicity	Shall not be classified as acutely toxic.
Process of degradability	Causes severe skin burns and eye damage.
Bioaccumulative potential	Causes serious eye damage.
Mobility in soil	Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.
Results of PBT and vPvB assessment	Shall not be classified as a specific target organ toxicant.
Other adverse effects	Shall not be classified as presenting an aspiration hazard.

13. Disposal considerations

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Waste treatment-relevant information	Recycling/reclamation of other inorganic materials. Regeneration of acids
Sewage disposal-relevant information	Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.
Waste treatment of containers/packagings	It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied p... recycled. Handle contaminated packages in the same way as the substance itself.
Relevant provisions relating to waste	not assigned
Remarks	Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be han...
Waste Disposal	Waste should be disposed of in according to local rule and regulation.

14. Transport information

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : The cargo is not intended to be carried in bulk.

Transport of dangerous goods by road , rail and inland waterway (ADR/RID/ADN)

UN Number	2031
Proper shipping name	NITRIC ACID
Particulars in the transport document	UN2031, NITRIC ACID, 8 (5.1), II, (E)
Class	8
Classification code	CO1
Packing group	II
Danger label(s)	8+5.1
Hazard identification No	85

International Maritime Dangerous Goods Code (IMDG)

UN Number	2031
Proper shipping name	NITRIC ACID
Particulars in the transport document	UN2031, NITRIC ACID, 8 (5.1), II, (E)
Class	8
Subsidiary risk(s)	5.1

Packing group	II
Danger label(s)	8+5.1
EmS	F-A , S-Q
Stowage category	D
Segregation group	1, Acidic

International Civil Aviation Organization (ICAO-IATA/DGR)

UN Number	2031
Proper shipping name	NITRIC ACID
Particulars in the transport document	UN2031, NITRIC ACID, 8 (5.1), II, (E)
Class	8
Subsidiary risk(s)	5.1
Packing group	II
Danger label(s)	8+5.1
Special provisions (SP)	A1
Excepted quantities (EQ)	E0

15. Regulatory information

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Federal and State Regulation	Safety, health and environmental regulations/legislation specific for the substance or mixture. OSHA: Hazardous b
	Hazard Communication Standard (29 CFR 1910.1200)
Sewage disposal-relevant information Water pollution effect indication	Slightly harmful to aquatic organisms.

Chemical Safety Assessment No Chemical Safety Assessment has been carried out for this substance.

16. Other information

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Full text of R-Phrases

R22 :Harmful if swallowed.
 R23/24/25 :Toxic by inhalation, in contact with skin and if swallowed.
 R34 :Causes burns.
 R35 :Causes severe burns.
 R38 :Irritating to skin.
 R41 :Risk of serious damage to eyes.
 R43 :May cause sensitization by skin contact.
 H272 :may intensify fire; oxidiser
 H290 :may be corrosive to metals
 H314 :causes severe skin burns and eye damage
 R35 :causes severe burns
 R8 : contact with combustible material may cause fire

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