

1. Product and Company Identification

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Product Name RXSOL ORG LOCO 207 Locomotive Cleaner
Part Number RXSOL-41-4165-025

Company Details:

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

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2. Composition / Information on ingredients

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Chemical Name	Percentage	Cas Number	EC Number	R Phases
Potassium Hydroxide	10-30%	1310-58-3	215-181-3	R22, R35 - H302, H290, H314
C6 Alkylglucoside	1-5%	54549-24-5	259-217-6	
Proprietary Blend of Surfactant mixture	15-20

R/H Phrases: R41 - H318

3. Hazards Identification

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Corrosive

Hazard phrases ::: Harmful if swallowed . Causes severe skin burns and eye damage).

May be corrosive to metals .

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

IF SWALLOWED: rinse mouth. Do NOT induce vomiting .

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician .

4. First Aid Measures

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Inhalation	Remove Patient to fresh air. Seek medical advice if necessary
Eye Contact	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes Irrigate eyes thoroughly whilst lifting eyelids Obtain immediate medical attention Continue flushing with water until medical help arrives
Ingestion	Do not induce vomiting.Never give anything by mouth to an unconscious

	person Give water or milk to drink Obtain immediate medical attention
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5. Fire-fighting Measures

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Extinguishing media	Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
Special hazards arising from the substance or mixture	Smoke from fires is irritating
Advice for firefighters	Wear Breathing Apparatus

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Wear protective clothing as per section
Environmental Precautions	Do not allow to enter public sewers and watercourses
Methods and material for containment and cleaning up	Absorb spillage in inert material and shovel up. Ventilate the area and wash spill site after material pick-up is complete
Reference to other sections	Section 13

7. Handling and Storage

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Precautions for safe handling	Eyewash bottles should be available. Do not get in eyes, on skin, or on clothing
Conditions for safe storage, including any incompatibilities	Store materials in cool and dry place. Container should be tightly closed. Store in a well-ventilated place
Protect from	Direct Sunlight

8. Exposure controls and personal protection

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Control parameters - potassium hydroxide

Exposure controls - No special ventilation is required unless the product is used in a spray form

Occupational exposure controls

Body Protection

Wear suitable protective clothing, including eye/face protection and gloves.

Eye Protection

Wear eye protection (on possibility of contact)

Hand protection

Wear PVC chemical resistance protective glove



Gloves

Goggles

9. Physical and chemical properties

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Appearance

Clear liquid to pale Yellow

Density

In g/cm³ at 20°C: 1.16 - 1.18

Compatibility	
Metal	No known effect
Rubber	No known effect
pH	Alkaline (13 -14)
Flash point	Not Applicable
Solubility	100% soluble in water
Boiling point	>100 °C to 760 °C

10. Stability and reactivity

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Reactivity	No hazardous reactions known if used for its intended purpose
stability	Considered stable under normal conditions
Hazardous reactions	No hazardous reactions known if used for its intended purpose
Conditions to avoid	Avoid contact with aluminium ,galvanised metals and zinc
Incompatible materials	Incompatible with acid and oxidizing substances
Hazardous Decomposition Products	No hazardous decomposition products known

11. Toxicological information

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Information on toxicological effects	LD50 (oral, rat) >2000 mg/kg
Contact with eyes	Can cause damage to the eyes
Contact with skin	Causes redness and irritation .Prolonged skin or eye contact may cause chemical burns.
Ingestion	The ingestion of significant quantities may cause burning sensation.The ingestion of significant quantities may cause damage to digestive system
Inhalation	In cases of severe exposure, irritation may develop

12. Ecological information

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Toxicity

- LC50 (fish) >100 mg/l (Alkylglucoside hr)
- Biodegradability. OECD-test. 28 days >60 % (Alkylglucoside)
- EC50 (daphnia) >100 mg/l (Alkylglucoside hr)
- This product contains an alkaline substance which may cause a high pH-value.
- Effect depends on waterquality and the organisms tolerance due to pH-value.
- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

Persistence and degradability

- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

Mobility in soil

- Completely soluble in water

Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

13. Disposal considerations

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As per guide line of local rules and regulation and before disposal and neutralization pl. refer 07 article. Do not discharge into drains or the environment, dispose to an authorised waste collection point

14. Transport information

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Proper Shipping Name

UN

Proper Shipping Name	Potassium hydroxide, solution
UNNo.	1824
Hazard Class	8
PackingGroup	II

Road/Rail(ADR/RID)

Proper Shipping Name	Potassium hydroxide, solution
ADR UN No.	1824
ADR Hazard Class	8
Tremcard	80S1824

Sea(IMDG)

Proper Shipping Name	Potassium hydroxide, solution
IMDG UN No.	1824
IMDG Hazard Class.	8
IMDG Pack Group.	II
IMDG EmS	F-A, S-A
IMDG subrisk	N/A
IMDG Labels	8
IMDG Flash point	N/A

Air(ICA/O/IATA)

Proper Shipping Name	Potassium hydroxide, solution
ICAO Un No.	1824
ICAO Hazard Class	8
ICAO Packing Group.	II
ICAO subrisk	N/A
ICAO Labels	8, CAO
ICAO Flashpoint	N/A

DOT/ CFR (US Department of Transportation)

DOT Proper Shipping Name	Potassium hydroxide, solution
Hazardous Material	Potassium hydroxide
Hazard Class	8
Identification Number	UN 1824
Product RQ (lbs)	3640
DOT subrisk	N/A
DOT Labels	8
DOTFlashpoint	N/A

15. Regulatory information

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Classification and labelling according to Chemicals Hazard Information and Packaging Regulations (CHIP). Symbols of danger :- C Corrosive

R phrases

R 35 : Causes severe burns

S-phrases

S2: Keep out of reach of children S26 :In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 : After contact with skin, wash immediately with plenty of water. S37/39 : Wear suitable gloves and eye/face protection.

16. Other information

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