Material Safety Data Sheet

Deck Cleaner (RXSOL-16-3013-025)

1. Product and Company Identifaction

Product Name	Deck Cleaner
Part Number	RXSOL-16-3013-025

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

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

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Website	www.rxmarine.com

2. Composition / informationon ingredients

Name of Substance	Cas Number	Weight	GHS Classification
Sodium Percarbonate	15630-89-4	50-60%	OX. SOL. CAT 3, ACUTE TOX CAT 4 (ORAL), EYE DAM CAT 1
Soda Ash	497-19-8	20-30%	EYE IRRIT. CAT 2A

Alcohols, C9-11, ethoxylated	68439-46-3	614-482-0	7 - 10%	Xi
Ethylenediaminetetraacetic Acid	64-02-8	200-573-9	5 - 10%	Xi
2-Propanol	67-63-0	200-661-7	2 - 5%%	Xi
Dipropylene glycol methyl ether	34590-94-8	---	2- 5 %	Xi

3. Hazards Identification

Signal Word	Danger
Hazard Statements	H272 May intensify fire; oxidizer. H302 Harmful if swallowed. H315 Causes skin irritation. H272: May intensify fire; oxidizer H302: Harmful if swallowed H318: Causes serious eye damage
Precautionary statements - prevention	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220: Keep away from clothing and other combustible materials. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220: Keep away from clothing and other combustible materials. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements -	P370+P378: In case of fire: Use media documented in section 5 to extinguish. P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P330: Rinse mouth. 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/doctor.P370+P378: In case of fire: Use media documented in section 5 to extinguish. P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P330: Rinse mouth. 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/doctor.
Other Hazard	INHALATION: Inhalation of dust may cause respiratory irritation. EYE: May cause severe irritation with pain and redness. SKIN: May cause irritation. Repeated exposure may cause dryness or cracking. INGESTION: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and Diarrhea.

4. First Aid Measures

Description of first aid measures	Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.
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 flushes 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.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
Ingestion:	Do not induce vomiting. Obtain medical attention.If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration.
Most important symptoms and effects, both acute and delayed	This product may cause damage with direct contact to the eyes. Harmful if swallowed
Medical conditionsaggravated by exposure:	This material or its emissions may aggravate pre-existing disorders involving any target organs mentioned in this Safety Data Sheet as being at risk
Indication of immediate medical attention and special treatment needed	Treat symptoms and reduce over-exposure. Treat symptoms and reduce over-exposure. Treat symptoms and reduce over-exposure. Treat symptoms and reduce over-exposure. Treat symptoms and reduce over-exposure
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

Extinguishing media	Water, alcohol-resistant foam, dry chemical or CO2
Specific hazards arising from the chemical	Oxidizer. Oxygen released in thermal decomposition may support combusstion. Contact with combustible material may cause fire. Contact with flammables may cause fire or explosions. Risk of explosion if heated under confinement Explosion Sensitivity to Static Discharge: Not Sensitive. Minimum Ignition Energy (M.I.E.) No Data at this time
	Explosion Sensitivity to Mechanical Impact: Not Sensitive. Explosion Sensitivity to Static Discharge: Not Sensitive. Minimum Ignition Energy (M.I.E.) No Data at this time
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous combustion products	Fire may cause the evolution of Sulphur oxides, nitrogen oxides.
Protective Equipment	Use personal protective equipment.
Specific Hazards Arising from the Chemical	Has a fire-promoting effect due to the release of oxygen. Ambient fire may liberate hazardous vapours.

6. Accidental Release Measures

Small Spill	Collect and transfer to secondary container to be properly disposed.
Large Spill:	Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks, etc.) Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Sweep up and shovel into suitable
Spillage	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.
Personal Protection	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment see section 8.
Enviromental Precaution	Do not let product enter drains.
Methods and materials for containment and cleaning	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up the affected area. Avoid generation of dust

7. Handling and Storage

Handling	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).
Specific end uses	Cleaning product
Advice on general occupational hygiene	Advice on safe handling Observe label precautions. Change contaminated clothing. Wash hands after working with substance.

8. Exposure controls and personal protection

Control parameters

EXPOSURE LIMITS/GUIDELINES:
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EXPOSURE LIMITS/GUIDELINES

Chemical Name	CAS#	ACGIH	OSHA
Sodium Percarbonate	15630-89-4	Not Listed	Not Listed
Soda Ash	497-19-8	Not Listed	Not Listed

PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRTWA

OSHA TWA/5 mg/m3

PARTICULATES NOT OTHERWISE REGULATED TOTAL DUST

OSHA TWA/15 mg/m3

TWA
OSHA 5 mg/m3
TWA
OSHA 5 mg/m3

Exposure Controls	Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.
Engineering Control	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	Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection : Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator exposure limits are exceeded or if irritation or other symptoms are experienced.
Other Protection Measure	Handle in accordance with good industrial hygiene and safety practice.
Exposure Limit	Not Available



Gloves



Suit

9. Physical and chemical properties

Information on basic physical and chemical properties

PHYSICAL STATE:	Powder
ODOR:	Odorless
ODOR THRESHOLD (PPM):	Not Available
APPEARANCE / COLOR:	White Powder
pH:	10.5-11.0
MELTING / FREEZING POINT (F°):	Not Applicable
BOILING POINT (F°):	Not Applicable
FLASH POINT (F°):	Not Applicable
EVAPORATION RATE (nBuAc = 1):	Not Applicable
FLAMMABILITY (solid, gas)	Not Applicable
FLAMMABLE LIMITS (in air by volume, %):	Not Applicable
VAPOR PRESSURE (mmHg):	Not Applicable
VAPOR DENSITY (AIR=1):	Not Applicable
RELATIVE DENSITY	Not Applicable
SOLUBILITY IN WATER (%)	150 g/l in water @20C
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not Applicable
AUTOIGNITION TEMPERATURE	Not Applicable

DECOMPOSITION TEMPERATURE:	Not Applicable
VISCOSITY:	Not Applicable
EXPLOSIVE PROPERTIES:	Not Applicable
OXIDISING PROPERTIES:	Not Applicable
Other Information	
SPECIFIC GRAVITY 4°C: (Water = 1)	.95 – 1.2
PERCENT SOLIDS BY WEIGHT:	100%
VOC:	Not Applicable
Form	Solid

Colour	White
Odour	Odourless
Odor Threshold	Not Applicable
pH	3.2 - 3.5 at 100 g/l 20 °C
Melting Point	120 °C (decomposition)
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas)	No Data Available
Explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour Density	No Data Available
Specific Gravity	1.98 g/cm3 at 20 °C
Partition coefficient	No data available
Explosive properties	None
Solubility	Soluble in water 620 g/l at 20 °C
Ignition temperature	No information available.

10. Stability and reactivity

Reactivity	Strong Alkali , Bases.
Chemical Stability:	Product is stable under recommended storage conditions
Possibility of Hazardous Reactions:	No data available.
Conditions to avoid	Avoid dust generation. Avoid exposure to heat, sources of ignition, and open flame.
Incompatible materials:	Incompatible with acids, bases, combustible materials, organic materials, reducing agents,moisture, flammable materials, permanganates
Stability	The product is chemically stable under standard ambient conditions (room temperature).
Hazardous Decomposition Products	: Oxygen
Possibility of hazardous reactions	Risk of explosion with:, Risk of ignition or formation of inflammable gases or vapours with:,Exothermic reaction with:strong alkalis, bases, combustible substances, Iron, Zinc, hydrogen peroxide, peroxi compounds, Copper, silver compounds, Powdered metals
Conditions to avoid	Strong Heating
Incompatible materials	No Data Available
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

Information on Toxicological Effects

	There is no available data for the product, only for the ingredients
TOXICITY DATA:	15630-89-4 LD50, Oral - Rat 1034 mg/kg
	497-19-8 LD50, Oral - Rat 4,090 mg/kg
	POTENTIAL HEALTH HAZARDS OR RISKS FROM EXPOSURE
CARCINOGENICITY	Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.
IRRITANCY OF PRODUCT:	: Exposure with this product can be irritating to exposed skin, eyes and respiratory system
SENSITIZATION OF PRODUCT	: This product is not considered a skin sensitizer
REPRODUCTIVE TOXICITY INFORMATION	: This product does not contain components which are documented as reproductive hazards
Rout Of Entry	Inhalation. Ingestion.
Toxicity to Animal	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE Acute oral toxicity (LD50): 689 mg/kg [Rat].
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).
Special Remarks on other Toxi Effects on Humans:	Acute Potential Health Effects: Skin: Causes skin irritation. May cause skin sensitization, an allergic reation, 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.

12. Ecological information

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

Toxicity

TOXICITY DATA	There is no available data for the product.
Persistence and degradability	No specific data available on this product
ioaccuBmulative potential	No specific data available on this product.
Mobility in soil	No specific data available on this product
Results of PBT and vPvB assessment	No specific data available on this product.
Other adverse effects	No specific data available on this product.
Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products Biodegradation:	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in soil	No Information available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	Henry constant : Transition from water solution into the atmosphere is not to be expected.

13. Disposal considerations

Waste treatment Method	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself

14. Transport information

DOT/TDG/IATA/IMDG

UN Number	Not applicable
Proper shipping name	Consumer Commodity
Hazard Class NUMBER and DESCRIPTION:	ORM-D
UN IDENTIFICATION NUMBER	N/A
Packing group	N/A
DOT LABEL(S) REQUIRED:	N/A
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2016):	N/A
MARINE POLLUTANT:	None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)
NOTE:	Consumer commodity when transported via ground in original packaging.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS:	This product is not subject to the reporting requirements of Sections 302,304 and 313 of Title III of the Superfund Amendments and Reauthorization Act
TSCA:	All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of Chemical
Fedral and State Regulation	Connecticut hazardous material survey.: Ammonium persulfate New Jersey: Ammonium persulfate TSCA 8(b) inventory: Ammonium persulfate
Other Regulation	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
WHMIS (Canada)	CLASS C: Oxidizing material.
DSCL (EEC)	R8- Contact with combustible material may cause fire. R20/22- Harmful by inhalation and if swallowed. 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 with skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves.

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

Fire :	
Health Hazard	: 2
Fire Hazard	: 1
Reactivity	: 3
Specific Hazard	:

16. Other information

HMIS RATING

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	H

Caution:	HMIS and NFPA ratings are based on a 0-4 rating scale
	0= Minimal Hazard, 1= Slight, 2= Moderate, 3= High, 4= Extreme
MANUFACTURER SUPPLEMENTAL NOTES:	For industrial use only. Keep out of reach of children. Failure to use caution may cause serious injury or illness. Never siphon by mouth.
DATA SOURCES:	Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.
ADDITIONAL SDS INFORMATION	The conditions or methods of handling, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility for loss, damage or expense arising out of, or in any way connected with the handling, storage, use, or disposal of the product.
GENERAL STATEMENTS:	Key or Legend to abbreviations and acronyms
NTP Carcinogenicity Status:	1 - Known to be Human Carcinogens; 2 - Reasonably anticipated to be a human carcinogen
AIHA	- American Industrial Hygiene Association
ACGIH	American Conference of Governmental Industrial Hygienists
CASRN	Chemical Abstract Services Registry Number
CFR	Code of Federal Regulations
D.O.T	United States Department of Transportation
IARC	International Agency for Research on Cancer
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
PPM	Parts per million
mg/m3	milligram per cubic meter
kg	kilogram
L or l	Liter
n.o.s	not otherwise specified
Lbs.	Pounds
mm2/s	- millimeters squared per second
PMCC	- Pensky-Martens Closed Cup
LC50	- Pensky-Martens Closed Cup
LC50	- Lethal Concentration 50 (concentration in water having a 50% chance of causing death to aquatic life)
EC50	Effective Concentration that causes 50% inhibition in growth or mobilization

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Other Information

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