Material Safety Data Sheet

DECK BRITE Cleaner (RXSOL-16-3013-010)

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

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2. Composition / informationon ingredients

Name of Substance	Cas Number	EINECS
Alcohols, C9-11, ethoxylated	68439-46-3	614-482
Ethylenediaminetetraacetic Acid	64-02-8	200-573
2-Propanol	67-63-0	200-661
Dipropylene glycol Methyl Ether	34590-94-8	---

3. Hazards Identification

Signal Word	None
Hazard Statements	Causes severe skin burns and eye damage. May cause respiratory irritation.
Precautionary statements - prevention	Do not breathe mist or vapor. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid release to the environment.
Precautionary statements - response	**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If swallowed: Rinse mouth. Do NOT induce vomiting. **If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. **If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Collect spillage. **Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed. **Disposal:**Dispose of contents/container in accordance with local/regional/national/international regulations.

4. First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Inhalation:	If inhaled, If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion:	If swallowed, do not induce vomiting. Allow victim to rinse his mouth and then to drink 2-4 cupfuls of water. Never give anything by mouth to an unconscious person. Call a physician.
Notes to Physicians	Treat symptomatically.

5. Fire-fighting Measures

Suitable extinguishing media	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Protective Equipment	Use personal protective equipment.
Hazardous combustion products	During fire, gases hazardous to health may be formed.
Advice for firefighters	Wear self-contained breathing apparatus. Wear full protective equipment.
Specific extinguishing methods	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. Wear suitable personal protective equipment.Respiratory protective equipment.
Enviromental Precaution	Do not allow contact with soil, surface or ground water.If the products get into drains, inform the relevant authorities immediately.
Methods and materials for containment and cleaning up	Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

7. Handling and Storage

Advice on safe handling	Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.
Storage	Keep locked-up. Store in a well-ventilated place. Keep container tightly closed. Store in a closed container away from incompatible materials. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.
Advice on general occupational hygiene	Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas.

8. Exposure controls and personal protection

Engineering Control: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal Protection: **Eye protection :** Wear eye protection/ face protection.
Hand protection : Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. **Skin protection :** Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing **Respiratory protection :**When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Exposure Limits:

Ingredients	CAS No	Form of exposure	Value	US OSH(table Z1)
2-Propanol	67-63-0	TEL	980 mg/m3	400ppm
		STEL		400 ppm
		TWA		200 PPM
Dipropylene glycol methyl ether	34590-94-8	PEL	600 mg/m3	100 ppm
		STEL		150 ppm
		TWA		100 ppm

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.



Gloves



Suit

9. Physical and chemical properties

Form	Liquid
Colour	Colourless to slightly Yellow
Odour	Not Available
Boiling point and boiling range	No Data Available
Flash Point	>100°C

Freezing Point	No Data Available
pH	11 - 12
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Explosive properties	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	1.05-1.11 g/cm3 (25?C)
Water solubility	Soluble
Solubility in other solvents	No data available
Partition coefficient: octanol	No data available
Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Molecular weight	No data available
VOC	No data available

10. Stability and reactivity

Recativity	Non-reactive under normal conditions of use, storage and transport.
Stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Incompatible materials	Avoid to contact with oxidizing agents.
Hazardous Decomposition	No hazardous decomposition products are known.
Condition to Avoid	None Known
Polymerization	Will not occur.

11. Toxicological information

Route of Exposure	Inhalation, Eye contact, Skin contact
Eyes	Causes serious eye damage.
Skin	Causes severe skin burns.
Ingestion	Causes digestive tract burns
Inhalation	Inhalation of vapours leads to irritation of respiratory tract and mucous membranes, headache, nausea, dizziness, vomiting. Sensitisation possible through inhalation
Chronic Exposure	Health injuries are not known or expected under normal use.

	Ingredients	CAS No	Acute	Species	Test Result
Acute oral toxicity	2-Propanol	67-63-0	Dermal LD 50	Rabbit	12800 mg/kg
			Oral LD 50	Rat	4700 ppm
	Dipropylene glycol methyl ether	34590-94-8	Dermal LD 50	Rabbit	9.5 g/Kg
			Oral LD 50	Rat	35.5 g/Kg
	Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	Oral LD 50		> 2000 mg/kg

Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Classification	The classification was made by the conventional (calculation) method of Dangerous Preparations Directive(1999/45/EC)

12. Ecological information

Environmental Effects	No data available
Toxicity to fish	No data available
Toxicity to daphnia and others	No data available
Toxicity to algae	No data available
Biodegradability	> 60% (28 d)
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available

13. Disposal considerations

Remarks	Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.
Waste Disposal	The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility

14. Transport information

Transport hazard class(es) 8

ADR/RID	Not regulated / Classified as dangerous goods.
Subsidiary risk IMDG	Not regulated / Classified as dangerous goods.
Subsidiary risk IATA	Not regulated / Classified as dangerous goods.
Packing group	
Packing group	Not Applicable
Environmental hazards	
Environmental hazards	No
Marine pollutant	No

15. Regulatory information

Regulations	In accordance with REACH Regulation (EC) No 1907/2006 as last amended with respect to SDS provisions by Commission Regulation (EU) 2015/830. COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	Hazard categories Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Further information	FOR INDUSTRIAL USE. **US. Massachusetts RTK - Substance List** 2-Propanol (CAS 67-63-0) Dipropylene glycol methyl ether (CAS 34590-94-8) **US. New Jersey Worker and Community Right-to-Know Act** 2-Propanol (CAS 67-63-0) Dipropylene glycol methyl ether (CAS 34590-94-8) **US. Pennsylvania Worker and Community Right-to-Know Law** 2-Propanol (CAS 67-63-0) Dipropylene glycol methyl ether (CAS 34590-94-8) **US. Rhode Island RTK** 2-Propanol (CAS 67-63-0) **US. California Proposition 65** US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance : Not listed.

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **RX Marine International** has been advised of the possibility of such damages. DISCLAIMER OF LIABILITY :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. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.