

## 1. Product and Company Identification

www.rxmarine.com

Product Name Deo and Sweat Stain Remover B

Part Number RXSOL-15-2648-005

Company Details:....

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
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Website [www.rxmarine.com](http://www.rxmarine.com)

## 2. Composition / Information on ingredients

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Chemical Name	CAS No	Weight-%	Trade Secret
Citric acid	77-92-9	1 - 5	-
Oxalic acid	144-62-7	1 - 5	-

## 3. Hazards Identification

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Classification This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation Category 2B

### Emergency Overview

Signal word Warning

Hazard Statements

Causes eye irritation

Appearance Clear, colorless Physical state Liquid Odor Odorless

Precautionary Statements - Prevention

Precautionary Statements - Response

Wash face, hands and any exposed skin thoroughly after handling

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

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None

None

Not applicable

0 % of the mixture consists of ingredient(s) of unknown toxicity

No information available

No information available.

Precautionary Statements - Storage

Precautionary Statements - Disposal

Hazards not otherwise classified (HNOC)

Unknown Toxicity

Other information

Interactions with Other Chemicals

## 4. First Aid Measures

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Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin contact

Wash with soap and water

Inhalation

Remove to fresh air.

Ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects

May cause redness and tearing of the eyes.

Notes to Physician

Treat symptomatically

## 5. Fire-fighting Measures

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Suitable Extinguishing Media

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

Hazardous decomposition products in case of fire

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

**Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.**

**In a fire or if heated, a pressure increase will occur and the container may burst, with the**

**risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along**

**the ground. Vapors may accumulate in low or confined areas or travel a considerable**

**distance to a source of ignition and flash back.**

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**distance to a source of ignition and flash back.**

Thermal decomposition can lead to release of irritating gases and vapors.

**Uniform Fire Code Irritant:** Liquid

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

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Personal precautions

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers

## 7. Handling and Storage

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Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems. Do not eat, drink or smoke when using this product. Take off contaminated clothing and

Storage

Keep/store only in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

Incompatible Products

Acids. Bases. Oxidizing agent.

## 8. Exposure controls and personal protection

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Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Oxalic acid	STEL: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1	IDLH: 500 mg/m <sup>3</sup> TWA: 1
144-62-7		mg/m <sup>3</sup> (vacated) STEL: 2 mg/m <sup>3</sup>	mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>

Other Exposure Guidelines : Vacated limits revoked by the Court of Appeals decision in AFL-CIOv. OSHA, 965F.2d962(11th Cir., 1992) See section 15 for national exposure control parameters

Engineering Measures	Showers
	Eyewash stations
	Ventilation systems
Eye/face protection	If splashes are likely to occur:. Tight sealing safety goggles.
Skin and body protection	Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

## 9. Physical and chemical properties

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Physical state	Liquid
Appearance	Clear, colorless
Color	No information available
Odor	Odorless
Odor Threshold	Not applicable
pH	1.5
Melting / freezing point	No data available
Boiling point / boiling range	No data available
Flash Point	> 60 - 100 °C
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Flammability Limit in Air Upper flammability limit Lower flammability limit	No data available
Vapor pressure	No data available
Vapour density	No data available
Specific Gravity	1
Water Solubility	Completely soluble
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Softening Point	No data available

VOC content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

## 10. Stability and reactivity

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Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to avoid	Exposure to air or moisture over prolonged periods.
Incompatible materials	Acids. Bases. Oxidizing agent.
Hazardous Decomposition Products	None known based on information supplied.

## 11. Toxicological information

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Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Contact with eyes may cause irritation. (based on components).
Skin contact	Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Citric acid	= 3000 mg/kg ( Rat ) = 3 g/kg ( Rat )	-	-
77-92-9 Oxalic acid	= 375 mg/kg ( Rat )	= 20000 mg/kg ( Rat )	-
144-62-7			

### Information on toxicological effects

Symptoms	May cause redness and tearing of the eyes
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Kidney.
Aspiration Hazard	No information available.

### Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1

ATEmix (oral)

30,612.00 mg/k

## 12. Ecological information

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### Ecotoxicity

Harmful to aquatic life.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (WaterFlea)
Citric acid	-	96h LC50: = 1516	-	72h EC50: = 120 mg/L
77-92-9		mg/L(Lepomis macrochirus		
Oxalic acid	-	24h LC50: = 4000	-	48h EC50: 125 - 150 mg/L
144-62-7		mg/L(Lepomis macrochirus)		

### Persistence and Degradability

No information available.

### Bioaccumulation

Chemical Name	Log Pow
Citric acid	-1.72
77-92-9	
Oxalic acid	-0.81
144-62-7	

### Other adverse effects

No information available.

## 13. Disposal considerations

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Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations(40CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed

or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations

This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical Name

California Hazardous Waste

Oxalic acid

Toxic

144-62-7

## 14. Transport information

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DOT	Not regulated
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
Proper Shipping Name	NON REGULATED
IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

## 15. Regulatory information

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### International Inventories

TSCA Complies

DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any CARBONA Stain Devils Rust & Perspiration Revision Date 27-Feb-2017c

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**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR122.21and40CFR 122.42)

**CERCLA**

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Citric acid			RQ Section number 180.950
77-92-9			

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations****International Regulations****Mexico****National occupational exposure limits**

Chemical Name	Carcinogen Status	Exposure Limits
Oxalic acid		Mexico: TWA 1 mg/m3Mexico: STEL 2 mg/m3
144-62-7 ( 1 - 5 )		

**Canada****WHMIS Hazard Class**

Not determined

## 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 we 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.

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