

## 1. Product and Company Identification

www.rxmarine.com

Product Name **BRASS CLEANER**  
Product Type **RXSOL-15-1107-005**

### Company Details:

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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Ingredient	CAS #	Wt. %
Ammonia	7664-41-7	1-5
Isopropanol	67-63-0	1-5
Fatty acids, C16-18 and C18-unsaturated	67701-08-0	1-5
1,2-Propylene glycol	57-55-6	1-5
Oxalic acid dihydrate	6153-56-6	1-5
Silica, crystalline, quartz	14808-60-7	10 - 30
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	34398-01-1	0.5 - 1.5

## 3. Hazards Identification

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### EMERGENCY OVERVIEW

#### CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Potential Health Effects:

See Section 11 for more information

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**Likely Routes of Exposure:**

**Eye:**

**Skin:**

**Ingestion:**

**Inhalation:**

**Chronic Effects:**

**Signs and Symptoms:**

**Medical Conditions Aggravated By Exposure:**

**Target Organs:**

**Potential Environmental Effects:**

Skin contact, eye contact, inhalation.

May cause eye irritation.

May cause skin irritation.

May be harmful if swallowed. Causes respiratory distress, nausea or vomiting.

May cause respiratory tract irritation.

Prolonged or repeated contact may cause skin irritation.

Symptoms may include discomfort, eye irritation, eye redness, tearing, eye blinking and tear production. Skin irritation, redness, edema, drying, defatting of skin.

Asthma. Allergies.

Skin, eyes, gastrointestinal tract.

May cause long-term adverse effects in the environment. See Section 12 for more information.

#### **4. First Aid Measures**

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#### **First aid procedures:**

**Eye Contact:**

In case of contact, immediately flush with water. Remove contact lenses if they do not come out easily. If irritation persists, get medical attention.

**Skin Contact:**

In case of contact, immediately flush with water. Remove contaminated clothing before reuse. Call a physician if irritation develops and persists.

**Inhalation:**

If breathed in, move person to fresh air. If breathing is difficult, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:**

If swallowed, do NOT induce vomiting. Do not do so by medical personnel. Do not give anything by mouth to an unconscious person.

**General Advice:**

In case of accident or if you feel unwell, seek medical advice immediately (show the label).

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Note to Physicians:

possible).

Symptoms may not appear imm

## 5. Fire-fighting Measures

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### **Flammability:**

Not flammable by WHMIS criteria.

### **Means of Extinction:**

#### **Suitable Extinguishing Media:**

Powder, water spray, foam, carbon dioxide.

#### **Unsuitable Extinguishing Media:**

Not available.

### **Products of Combustion:**

May include, and are not limited to: oxides of carbon, oxides of nitrogen, ammonia.

Explosion Data:

### **Sensitivity to Mechanical Impact:**

Not available.

### **Sensitivity to Static Discharge:**

Not available.

### **Protection of Firefighters:**

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respirator.

## 6. Accidental Release Measures

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Personal Precautions:

Use personal protection recommended on label.  
Isolate the hazard area and deny entry to unauthorized and unprotected personnel.

Environmental Precautions:

Keep out of drains, sewers, ditches, and waterways.  
Minimize use of water to prevent environmental contamination.

Methods for Containment:

Contain and/or absorb spill (use sand, vermiculite), then place in container. Do not flush to sewer or allow to enter water. Dispose in appropriate manner.

Methods for Clean-Up:

Scoop up material and place in container. Provide ventilation.

Other Information:

Not available.

## 7. Handling and Storage

[www.rxmarine.com](http://www.rxmarine.com)

### Handling:

Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor. Use in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Do not drink, or smoking.

### Storage:

Keep out of the reach of children. Keep container tightly closed. Store in a cool, dry place.

## 8. Exposure controls and personal protection

[www.rxmarine.com](http://www.rxmarine.com)

### Exposure Guidelines:

#### Ingredient

#### Exposure Limits

#### ACGIH-TLV

Ammonia

25 ppm

Isopropanol

200 ppm

Fatty acids, C16-18 and C18-unsaturated

1 mg/m<sup>3</sup>

1,2-Propylene glycol

0.025 mg/m<sup>3</sup>

Oxalic acid dihydrate

1 mg/m<sup>3</sup>

Silica, crystalline, quartz

0.025 mg/m<sup>3</sup>

Poly(oxy-1,2-ethanediyl),  
.alpha.-undecyl-.omega.-hydroxy-

Not available.

### Engineering Controls:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below exposure limits.

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**Personal Protective Equipment:****Eye/Face Protection:**

Wear eye/face protection.

**Hand Protection:**

Wear suitable gloves.

**Skin and Body Protection:**

Wear suitable protective clothing.

**Respiratory Protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations:**

Handle according to established industrial hygiene and safety practices.

**9. Physical and chemical properties**[www.rxmarine.com](http://www.rxmarine.com)

Appearance:	Cream.
Colour:	Off white.
Odour:	Slight ammonia.
Odour Threshold:	Not available.
Physical State:	Liquid
pH:	9.5-10
Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	Not available.
Flash Point:	> 90.6 °C (> 195 °F)
Evaporation Rate:	Not available.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available
Vapor Density:	Not available.
Specific Gravity:	1.14
Solubility in Water:	Partial.

Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	Not available.

## 10. Stability and reactivity

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Stability:

Stable under normal storage conditions.

Conditions of Reactivity:

Heat. Incompatible materials.

Incompatible Materials:

Strong oxidizers. Mineral acids.

Hazardous Decomposition Products:

May include, and are not limited to, carbon, oxides of nitrogen, ammonia, and hydrogen cyanide.

Possibility of Hazardous Reactions:

No dangerous reaction known under normal use.

## 11. Toxicological information

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### EFFECTS OF ACUTE EXPOSURE:

#### Component Analysis

Ingredient	LD50 (oral)	LC50
Ammonia	350 mg/kg, rat	5.1 mg/L 1h
Isopropanol	4396 mg/kg, rat	72.6 mg/L 4h
Fatty acids, C16-18 and C18-unsaturated	Not available.	Not available.
1,2-Propylene glycol	20000 mg/kg, rat	Not available.
Oxalic acid dihydrate	375 mg/kg, rat	Not available.
Silica, crystalline, quartz	500 mg/kg, rat	Not available.
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	Not available.	Not available.

## 12. Ecological information

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Ecotoxicity:

May cause long-term adverse effects on the environment.

Persistence / Degradability:	Not available.
Bioaccumulation / Accumulation:	Not available.
Mobility in Environment:	Not available.

### 13. Disposal considerations

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#### Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

### 14. Transport information

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#### TDG Classification:

Not regulated

### 15. Regulatory information

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#### Federal Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations. The MSDS contains all the information required by the Controlled Products Regulations.

#### Global Inventories:

Ingredient Canada  
DSL/NDSL

Ingredient	Canada DSL/NDSL
Ammonia	DSL
Isopropanol	DSL
Fatty acids, C16-18 and C18-unsaturated	DSL
1,2-Propylene glycol	DSL
Oxalic acid dihydrate	No.*
Silica, crystalline, quartz	DSL
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	DSL
Ammonia	DSL

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Isopropanol DSL

Fatty acids, C16-18 and C18-unsaturated DSL

1,2-Propylene glycol DSL

Oxalic acid dihydrate No.\*

Silica, crystalline, quartz DSL

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy- DSL

**HMIS - Hazardous Materials Identification System:**

Health - 1 Flammability - 1 Physical Hazard - 0 PPE ☐ B

**NFPA - National Fire Protection Association:**

Health - 1 Fire - 1 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**WHMIS Classification(s):**

Class D2B - Skin/Eye Irritant

**WHMIS Hazard Symbols:**

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**ACGIH (G)** American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

**IARC (I)** International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans and the absence of sufficient evidence of carcinogenicity in experimental animals

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity

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4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)** National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

## 16. Other information

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The data given here is based on current knowledge and experience. This Safety Data Sheet is in terms of safety requirements and does not signify any warranty with regard to the product given here only applies when product used for proper application(s). The product is not for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other purposes. seeking advice from manufacturer.

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