



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** RING MASTER NPE FREE  
**Product use** All Purpose Bathroom Cleaner  
**Product code** M611  
**Date of issue** 09/14/10 **Supersedes** 10/02/07

### Emergency Telephone Numbers

**For MSDS Information:**  
 Technical Services Group  
 Telephone (780) 453-8100  
 (Business Hours 8:00am - 5:00pm)

### For Medical or Transportation Emergency

CANUTEC (24 Hours)  
 (613) 996-6666 - Call Collect

### Prepared By

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## Section 2. Hazards Identification

### Emergency overview

**DANGER !**

CAUSES EYE AND SKIN BURNS. HARMFUL IF SWALLOWED.

COMBUSTIBLE.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

### Routes of Entry

Dermal contact. Eye contact. Inhalation

#### Eyes

Causes eye burns. Eye exposure may cause severe and permanent eye injury (blindness).

#### Skin

Causes skin burns. The amount of tissue damage depends on length of contact. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

#### Inhalation

Avoid breathing vapors, spray or mists. Liquid, spray or mist may produce tissue damage, particularly to mucous membranes of eyes, mouth and respiratory tract.

#### Ingestion

Harmful if swallowed. May cause burns to mouth, throat, and stomach.

### Chronic effects

Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
PHOSPHORIC ACID	7664-38-2	10 - 30
DODECYL BENZENE SULFONIC ACID; alkyl aryl sulfonic acid	27176-87-0	10 - 30
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	7 - 13
HYDROCHLORIC ACID; muriatic acid; hydrogen chloride; HCl	7647-01-0	1 - 5
METHYL SALICYLATE; 2-carbomethoxyphenol; oil of wintergreen; sweet birch oil	119-36-8	0.1 - 1

## Section 4. First Aid Measures

### Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

### Skin Contact

Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Get medical attention.

### Inhalation

Move exposed person to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Closed cup: 41.1°C (106°F) [Tagliabue.]
<b>Flammable Limits</b>	Not determined.
<b>Flammability</b>	COMBUSTIBLE.
<b>Auto-ignition Temperature</b>	
<b>Fire-Fighting Procedures</b>	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.
<b>Fire hazard</b>	Combustible liquid. May emit toxic fumes under fire conditions.
<b>Products of Combustion</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides
<b>Explosion hazard</b>	Not available.

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see section 8). Eliminate all ignition sources. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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**Section 7. Handling and Storage**

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Store and use away from heat, sparks, open flame or any other ignition source. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wash thoroughly after handling. Empty containers retain product residue and can be hazardous. Do not reuse container. Apply this product only as specified on the label.
<b>Storage</b>	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep away from heat, sparks and flame. Keep container tightly closed and sealed until ready for use. Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection****Product name**

Phosphoric acid

**Exposure limits****ACGIH TLV (United States, 2/2010).**TWA: 1 mg/m<sup>3</sup> 8 hour(s).STEL: 3 mg/m<sup>3</sup> 15 minute(s).**OSHA PEL 1989 (United States, 3/1989).**TWA: 1 mg/m<sup>3</sup> 8 hour(s).STEL: 3 mg/m<sup>3</sup> 15 minute(s).**NIOSH REL (United States, 6/2009).**TWA: 1 mg/m<sup>3</sup> 10 hour(s).STEL: 3 mg/m<sup>3</sup> 15 minute(s).**OSHA PEL (United States, 11/2006).**TWA: 1 mg/m<sup>3</sup> 8 hour(s).

Dodecylbenzene sulfonic acid

**ACGIH / OSHA (United States).**TWA: 1 mg/m<sup>3</sup> 8 hour(s).**ACGIH TLV (United States).**STEL: 3 mg/m<sup>3</sup> 15 minute(s).**NIOSH REL (United States, 6/2009).**

TWA: 1000 ppm 10 hour(s).

TWA: 1900 mg/m<sup>3</sup> 10 hour(s).**OSHA PEL (United States, 11/2006).**

TWA: 1000 ppm 8 hour(s).

TWA: 1900 mg/m<sup>3</sup> 8 hour(s).**ACGIH TLV (United States, 1/2009).**

STEL: 1000 ppm 15 minute(s).

**OSHA PEL 1989 (United States, 3/1989).**

TWA: 1000 ppm 8 hour(s).

TWA: 1900 mg/m<sup>3</sup> 8 hour(s).

Ethanol

Hydrochloric Acid

**ACGIH TLV/OSHA PEL (United States).**

CEIL: 5 ppm 8 hour(s).

**OSHA PEL (United States).**CEIL: 7 mg/m<sup>3</sup> 8 hour(s).**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Splash goggles.
<b>Hands and Body</b>	Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Neoprene gloves. Nitrile gloves.



**Respiratory** Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

### Section 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid.	<b>Color</b>	Green.
<b>pH</b>	<1	<b>Odor</b>	Wintergreen.
<b>Boiling Point</b>	94.4°C (202°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.14 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	Not determined.
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	12.15% 1.15lb/gal 138.27g/l

### Section 10. Stability and Reactivity

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive or incompatible with the following materials: oxidizing materials and alkalis.
<b>Hazardous Polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11. Toxicological Information

**Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

#### Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Phosphoric acid	LD50 Oral	Rat	1.25 g/kg	-
Dodecylbenzene sulfonic acid	LC50 Inhalation Vapor	Mouse	320 mg/m <sup>3</sup>	2 hours
	LC50 Inhalation Vapor	Rat	510 mg/m <sup>3</sup>	2 hours
	LD50 Oral	Rat	2140 mg/kg	-
Ethanol	LC50 Inhalation Vapor	Rat	20000 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	7 g/kg	-
Hydrochloric Acid	LC50 Inhalation Vapor	Rat	3124 ppm	1 hours
	LD50 Oral	Rabbit	900 mg/kg	-

### Section 12. Ecological Information

**Environmental Effects** No known significant effects or critical hazards.

#### Aquatic Ecotoxicity

Not available.


### Section 13. Disposal Considerations

#### Waste Information

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: D002  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)

### Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	3264	Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, Hydrochloric Acid)	8	II		<b>Explosive Limit and Limited Quantity Index</b> 1
<b>IMDG Class</b>	Not determined.					-

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

Class D-1A: Material causing immediate and serious toxic effects (Very toxic).

Class E: Corrosive material

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

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*