

# MATERIAL SAFETY DATA SHEET

Date prepared: July 2012

MSDS NUMBER: RA-7-2012  
For Professional Use Only

**Chemeisters® Inc. - 26202 West Seven Mile Road, Redford MI 48240 - (313) 538-5550**

**PRODUCT NAME:** RINSE ACID PLUS<sup>1M</sup> carpet cleaning mixture

**SECTION 2 - EMERGENCY OVERVIEW AS COMPOUNDED** - This is a macro-concentrate for shipping and distribution purposes only.

**Color:** Amber  
**Physical State:** Liquid  
**Odor:** Acetic fragrance  
**Hazard of product:** The following are possible but not expected from the normal and recommended use of this product.  
May cause severe eye burns or irritate existing skin condition on prolonged contact.  
Harmful if swallowed. Aspiration hazard: can enter lungs and cause damage.  
**Environmental:** This product is not expected to produce any significant environmental effects in normal use.  
**Chronic effects:** This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as a human carcinogen.

**SECTION 3 - COMPOSITION INFORMATION** - this macro-concentrate is diluted 2oz. to 1 gallon when used

<b>NAME</b>	<b>PERCENT</b>	<b>CAS #</b>
Secondary alcohol ethoxylate	< 1	84133-50-6
Alkyl-(C12-18) Dimethyl BenzylAmmonium Chloride	< 0.4	68391-01-5
Alkyl-(C12-14) Dimethyl ethyl Benzyl-Ammonium Chloride<	0.4	85409-23-0
Hydroxy acetic acid	< 10	79-14-1
Ortho-phosphoric acid	< 20	7664-38-2
Sodium Octyl Sulfate	< 1	142-31-4
Sodium Olefin Sulfonate	< 1	68439-57-6

## SECTION 4 - EMERGENCY & FIRST AID MEASURES

**EYES:** Minor irritant - Wash with running water for at least 15 minutes. Get prompt medical attention if irritation occurs.  
**SKIN:** Minor irritant - Wash liberally with soap and water for 15 minutes. Get prompt medical attention if irritation occurs.  
**INHALATION:** Minor irritant - Remove from exposure and obtain prompt medical attention if symptoms occur.  
**INGESTION:** Obtain emergency medical attention by emergency means or poison control if symptoms occur.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** None  
**Auto-ignition temp.:** None  
**Flammable limits:** None  
**Usual fire/explosion hazards:** None

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Protection:** None required under normal circumstances  
**Environmental Precautions:** Observe local, state and federal regulations  
**Clean Up and Containment:** Large spills requiring spill procedures would not be present with normal carpet cleaning practices.

## SECTION 7 - HANDLING and STORAGE

**General Handling** FOR PROFESSIONAL USE ONLY - KEEP SAFELY AWAY FROM CHILDREN.  
Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Keep container closed.  
Use with adequate ventilation. Wash thoroughly after handling.  
**Storage:** No specific requirements.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eye Protection:** None required under normal carpet cleaning practices  
**Hand Protection:** None required under normal carpet cleaning practices  
**Respiratory Protection:** None required under normal carpet cleaning practices  
**Protective Measures:** None required under normal carpet cleaning practices  
**Engineering Controls:** Use only with adequate ventilation

## SECTION 9 - PHYSICAL / CHEMICAL DATA as compounded in concentrate

<b>Appearance &amp; Odor:</b> Amber	<b>Weight per gallon:</b> 8 +/-
<b>Specific Gravity:</b> 1.01	<b>Vapor density:</b> water
<b>% Volatile by wt:</b> 0	<b>Melting point:</b> water
<b>Boiling point:</b> 212 deg. F.	<b>Vapor pressure:</b> water
<b>Solubility in H2O:</b> 100	<b>pH in concentrate:</b> 5 +/- .5
<b>Evaporation rate:</b> 1.1	<b>pH in use dilution:</b> 5 +/- .5

## SECTION 10 - STABILITY and REACTIVITY

**Hazardous decomposition and/or polymerization:** No  
**INCOMPATIBILITY:** Avoid bleaches  
**Conditions to avoid:** non-professional use  
**Stability:** Stable

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

	<u>ACUTE</u>	<u>DERMAL</u>	<u>INHALATION</u>
Secondary alcohol ethoxylates	LD50, Rat <412 mg/kg	LD50, Rat male & fm 14,000 mg/kg	LC50 4h aerosl Rat 1.06 mg/l
Hydroxy acetic acid	LD50, Rat 1950 mg/kg	LD50, Guinea pig 1,950 mg/kg	LC50, Rat 7.7 Mg/L4H
Quaternary ammonium compounds	LD50, Rats 507 mg/kg	LD50 >2,000 mg/kg	

Signs and symptoms of over-exposure (acute): Causes eye irritation,. May irritate skin. Moderately toxic if ingested  
Signs and symptoms of over-exposure (chronic): Burning from eye contact, defatted or reddened skin, headache, nausea and dizziness.

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**SECTION 12 - ECOLOGICAL INFORMATION**

May not be completely biodegradable

	<u>ACUTE</u>
Secondary alcohol ethoxylates	Moderately toxic to aquatic organisms (LC50/EC50 between 1 and 10 mg/L)
Quaternary ammonium compounds	Very toxic to aquatic organisms

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**SECTION 13 DISPOSAL CONSIDERATIONS**

**Waste Disposal:** In accordance with Federal, State and Local regulations.

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**SECTION 14 - TRANSPORT INFORMATION**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this section.

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**SECTION 15 - REGULATORY INFORMATION**

OSHA Hazard Communication Standard, 29 CFR 1910.1200:	To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.
Superfund Amendments and Reauthorization Act of 1986 Title III:	To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.
PA, CA, MN, MA, FL, NJ: (Worker and Community Right-To-Know Acts):	To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.
US, EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):	To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.
California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986:	To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.
U.S. Toxic Substances Control Act: (TSCA)	To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

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**SECTION 16 - ADDITIONAL INFORMATION**

The above data is furnished in good faith and as of the issue date it is believed to be true and correct based upon our sincere best efforts. This data is offered for the users information and consideration. Since conditions of use are beyond our control, the user assumes all responsibility for the conditions of safe use and the risk for use of this product. This information and any recommendations or suggestions are made without warranty, guarantee, liability or legal responsibility express or implied.  
**KEEP IN A LABELED CONTAINER AND KEEP OUT OF REACH OF CHILDREN OR ANY OTHER NON-PROFESSIONAL USERS.**