



# SAFETY DATA SHEET

## RAMWASH

### Section 1: Identification

**Product Name:**  
**RamWash** Part No. 1500-016

**Chemical Formula:** See ingredients below

**CAS Number:** N/A

**General Use:** Concentrated Aqueous Cleaning Solution. Use in Dilution Range of 1:10 to 1:100

**Manufacturer:** RAM Environmental Technologies, Inc.  
 3216 Cahaba Heights Road  
 Birmingham, AL 35243

**Customer Service:** (205) 969-0708

**Emergency:** RAM Environmental Technologies - (205) 969-0708

### Section 2: Hazard(s) Identification

This product is not classified as hazardous under 2012 OSHA Communications Standards (29CFR 1910.1200)

**Emergency Overview:** No known health hazards. Open wounds could be aggravated by exposure

**Target Organs:** Eyes and skin

<b>Hazard Statements:</b>	<b>Code</b>	<b>Description</b>
	H316	May cause mild skin irritation
	H320	May cause mild eye irritation

<b>Precautionary Statements:</b>	<b>Code</b>	<b>Description</b>
	P301	IF SWALLOWED: drink water and induce vomiting
	P303	IF ON SKIN: Redness or irritation possible. Rinse with water
	P305	IF IN EYES: Flush with water

### Section 3: Composition and Information on Ingredients

Component	CAS#	Concentration (vol/vol)
Sodium Citrate	68-04-2	2%- 3%
Triethanolamine 85%	102-71-6 TEA / 111-42-2 DEA	1%-2%
Butyl Carbitol DB	112-34-5	4%-5%
D-Limonene	5989-27-5	<1%
Dodecylbenzene Sulfonic Acid	27176-87-0	<1%
Surfonic L12-6	66455-15-0	7%-8%
Water	7732-18-5	≥82%
Colorant	Proprietary Mixture	<1%

## Section 4: First Aid Measures

### First Aid Procedures

**Eye Contact:** Flush with water

**Skin Contact:** Wash with soap and water

**Inhalation:** Remove sensitized individuals to fresh air  
Under normal conditions, first aid procedures are not required

**Ingestion:** If swallowed, drink water and induce vomiting

**General Advice:** After first aid, get appropriate in-plant or community medical support

## Section 5: Fire Fighting Measures

**Conditions of Flammability:** Non-Flammable and will not support combustion

**Extinguishing Media:** N/A

**Fire-Fighting Equipment:** N/A

**Hazardous Combustion Products:** N/A

**Fire-Fighting Instructions:** N/A

## Section 6: Accidental Release Measures

**Personal Precautions:** Rinse with plenty of water to reduce slippery surfaces

**Emergency Procedures:** N/A

**Cleanup:** Small spills can be rinsed with water and flushed to drain. Large spills can be soaked up with absorbent and place in waste disposal container

**Applicability:** Readily biodegradable. Compatible with approved sewage disposal systems

## Section 7: Handling and Storage

**Overview:** Keep out of reach of children. For industrial and professional use only

**Handling:** Material as supplied is concentrated solution and is diluted prior to cleaning application

**Storage:** Keep from freezing. If freezing occurs, thaw and stir gently

## Section 8: Exposure Controls / Personal Protection

**Respiratory Protection:** Use proper ventilation – local exhaust- normal room ventilation

**Protective Clothing/Equipment:** Gloves not needed for recommended dilutions; however, gloves recommended when used for prolonged periods or for dermally sensitive individuals. Goggles recommended if splash or spray-back is likely

**Safety Stations:** Make certain emergency eyewash station, safety/quick-drench showers, and washing facilities are available in work areas

**General Hygienic Practices:** Extended exposure to concentrate not recommended

## Section 9: Physical and Chemical Properties

### Appearance:

**Physical State:** Liquid  
**Color:** Medium Blue

**Odor:** Slight Citrus Odor

**Odor Threshold:** No Data Available

**pH Level:** 7.0 – 8.0 s.u.

**Boiling Point:** 210°F

**Flash Point:** N/A

**Initial Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1.0):** < 1.0

**Flammability:** None

**Vapor Pressure (mm Hg):** N/A

**Vapor Density (Air=1.0):** > 1.0

**Solubility in Water:** Infinite

**Auto-ignition temperature:** None

**Specific Gravity (H<sub>2</sub>O = 1.0):** 1.083

## Section 10: Stability and Reactivity

**Stability:** Stable

**Polymerization:** Hazardous polymerization will not occur

**Incompatible Materials:** None

**Conditions to Avoid:** Freezing temperatures

**Hazardous Decomposition Products:** None

## Section 11: Toxicological Information

### Potential Health Effects:

**Primary Entry Routes:** Skin and eye absorption

**Target Organs:** Eyes and skin

**Acute Effects:** Certain individuals may be sensitized and experience minor nausea or headaches through inhalation. Mild to severe skin irritation is possible

**Chronic Effects:** No symptoms expected under normal use conditions

**Inhalation:** No effect expected. Certain individuals may be sensitized and experience minor nausea or headaches

**Eye:** No effect expected. Redness or irritation possible

**Skin:** No effect expected. Open wounds may be aggravated by exposure

**Ingestion:** No Information is available on the effects of ingestion. May cause upset stomach

**Carcinogenicity:** The material is not known to be carcinogenic

## Section 12: Ecological Information

### Toxicity to Animals:

**LC50:** Unknown

**LD50:** Unknown

**Special Remarks on Toxic Effects on Humans or Animals:** Unknown

**Ecotoxicity:** Unknown

**BOD5 and COD:** Not Available

**Products Of Degradation:** Unlikely

**Special Remarks On The Products of Bio-Degradation:** None known

## Section 13: Disposal Considerations

**Disposal:** Material is readily biodegradable and compatible with approved sewer disposal systems. Small spills can be rinsed with water and flushed to drain. Large spills can be soaked up with absorbent and placed in waste disposal container.

**EPA Regulations:** Not a characteristic or listed hazardous waste as sold

**Federal Waste Codes:** None

## Section 14: Transport Information

**DOT Classification (49 CFR 172.101):** Not a DOT Hazardous Material

**ERG Number:** Not Applicable

**ID Number:** Not Applicable

**Packing Group:** Not Applicable

**Marine Pollutant:** No

**IMD Class:** Not Applicable

**ICO / IATA Class:** Not Applicable

## Section 15: Regulatory Information

**Federal Regulations:** All components of RamWash are listed

**Other Regulations:** OSHA – Not Hazardous By Definition of Hazard Communication Standard (29 CFR 1910.1200)

## Section 16: Other Information

**SDS Creation Date:** July, 2012

**Revised Date:** August 1, 2015

**Disclaimer:** Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, RAM Environmental Technologies does not make any representations as to the completeness or accuracy thereof. Information is supplied on the condition that the person receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event shall RAM Environmental Technologies or any affiliate thereof be responsible for damage of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.