

Material Safety Data Sheet

RAM Cleaner
Ramage Enterprises
18081 Highway 51 North
Durant, Mississippi 39063
Emergency Tel # 1-800-326-2644

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: RAM A Fully Concentrated All Purpose Cleaner
Synonyms: Liquid non-toxic cleaner
Company ID: RAM Enterprises
PO Box 790
Elberta, AL 36530

2. COMPOSITION INFORMATION ON INGREDIENTS

Component	CAS Reg. No.
Non-Ionic surfactant	26027-38-3
Sodium metasilicate pentahydrate	6834-92-0
2 methoxyethanol	109-86-4
2 butoxyethanol	111-76-2
cyclohexene	13886-3
potassium hydroxide	1310-58-3
Water	7732-18-5

See Section 8 for Personal Protection (PPE).

3. HAZARDS IDENTIFICATION

Emergency Overview:

Appearance & Odor: Clear liquid with mild organic odor.

Warning Statements: This mixture is basic. It is important to avoid contact with strong acids and storage in aluminum containers. The product's main routes of entry are through skin contact, eye contact and inhalation of the mist. Mixture may cause mild irritation to skin, mild irritation to eyes and the gastrointestinal tract if swallowed. Mixture may cause irritation to nasal and respiratory passages.

Potential Adverse Health Effects:

Eye Contact: May cause irritation.

Skin Contact: May cause dryness and irritation of the skin.
Ingestion: May irritate the mucous membrane if ingested and be harmful
Inhalation: If inhaled may cause irritation to nasal and respiratory passages.

4. FIRST AID MEASURES

If in Eyes: Flush with cool water for 15 minutes. Remove contact lenses, if applicable and continue flushing for 15 minutes. Hold eyelids apart to rinse the entire surface of the eyes and lids. Seek medical attention if irritation persists.

If on Skin: Wash skin with ample cold water and then with soap and water. Seek medical attention if irritation and/or if redness persists.

If Swallowed: Drink 1 to 2 glasses of water and induce vomiting. Never give anything to a person who is unconscious. Seek medical attention immediately if vomiting continues.

If Inhaled: Remove to fresh air. If not breathing, call 9-1-1. Seek medical immediately.

5. FIRE FIGHTING MEASURES

Flash Point: Not a flammable liquid. Flammable Limits: None established

Extinguishing Media: Use appropriate medium for surrounding fire such as alcohol foam, carbon dioxide water spray or fog.

Special Fire Fighting Procedures: Provide for the protection of the employees and residents: Notify local authorities that firemen should wear self-contained breathing apparatus with full protecting clothing. If the product gets into a fire situation, it may explode. See section 11 for toxicological data.

6. ACCIDENTAL RELEASE MEASURES

In Cases of Spill or Leak:

For small spills, ventilate the area and wear proper personal protective equipment.

For large spill, contact emergency responders and secure area from anyone.

7. HANDLING AND STORAGE

Please keep mixture in a cool, dry place away from everyone such as children, food, feed and domestic animals. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash your hands thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Chemical goggles.

Skin Contact: To avoid skin contact on hands wear chemical resistant gloves along with appropriate work clothing and boots. The concentrated mixture can very slippery to the touch.
Use mild detergent and water to clean the PPE.

Respiratory Protection: Not required; materials is non-toxic.

Ventilation Protection: Not required; if in close area one may want to provide adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid.

Odor: Mild lemon-lime odor.

Solubility: Soluble in water.

Specific gravity (water=1) 1.05

Boiling point: 208 °F

pH: 11.1

Properties: Non-flammable liquid

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature.

Conditions to Avoid: Excessive heat.

Materials to avoid: Avoid oxidizers and strong acids. Avoid storage in aluminum.

Hazardous Decomposition Products: Oxides of carbon, sulfur and nitrogen.

11. TOXICOLOGICAL INFORMATION

Routes of entry: Eye, skin contact, inhalation and ingestion.

Eye Irritation: May cause mild irritation to the eyes.

Skin Irritation: May cause mild irritation and/or redness to the skin.

Inhalation: May cause mild irritation if inhaled.

Ingestion: May cause irritation if ingested.

Carcinogenicity: Not a carcinogen according to OSHA and IARC

12. ECOLOGICAL INFORMATION

This product is biodegradable and contains no phosphates

Product is a not a marine pollutant.

13. DISPOSAL CONSIDERATIONS

Wear proper PPE found in section 8. A person must be adequately trained by OSHA to deal with a large spill of this mixture.
Protect from excessive heat however the product non-flammable.
Mixture must be stored in a cool dry place.

14. TRANSPORTATION INFORMATION

Follow the precautions indicated in the Handling and Storage Section, Section 7 of this MSDS.
US DOT Classification for highway: Not regulated by US DOT in non bulk containers.
IATA/ICAO Shipping Description: *DO NOT SHIP by AIR unless container and package are authorized for air shipment.*
Please call for proper packaging.
Call to check on proper classification and proper shipping description.
IMO Shipping Description: Call for proper classification if shipping by water.

15. REGULATORY INFORMATION

SARA Hazard Notification/Reporting
Immediate Y Fire N Sudden Release of Pressure N
Delayed N Reactive N
SARA Title 313, Toxic chemicals: None
Section 302-304 (30 CFR 350): None
Extremely hazardous substance (EHS): None
SARA/OSHA Hazardous chemical reporting quantity: No
RCRA Hazardous waste: No
Prop 65 Chemicals: None

16. OTHER

National Fire Protection Association (NFPA)
Hazardous Materials Identification System (HMIS)

NFPA		HMIS
1 Health	0 Least	1 Health
0 Flammability	1 Slight	0 Flammability
0 Instability	2 Moderate	0 Reactivity
	3 High	D PPE
	4 Severe	

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