



MATERIAL SAFETY DATA SHEET

Product Name: Ram Tile Cleaner

4949 Greenhouse Road Houston, TX 77084-2205 281/856-7600 - 800/456-3459 - Fax 281/856-7015

Section I - Source Identification

Manufacturer: RAM CHEMICAL & SUPPLY, INC. **Telephone Numbers:**
Address: 4949 Greenhouse Road **Emergency:** (800)-424-9300
Houston, Texas 77084 **Information:** (281) 856-7600
Date Prepared: August 15, 2007 **Prepared By:** Ram Chemical & Supply, Inc.

Section II - Hazardous Ingredients / Identity Information

Hazardous Components:	Percent:	CAS #
Proprietary blend – organic and inorganic cleaning agents	20%	25265-71-8, 7647-01-0
Water	80%	7732-18-5

Mildly corrosive –N.O.S., Class 8, UN 1789, Packing Group II
OSHA PEL: Not established
ACGIH TLV: Not established
Other Limits: N/A

Section III - Physical / Chemical Characteristics

Boiling Point °C (°F):	212 Degrees F	Specific Gravity (Water =1.0)	1.017 +/- 0.002
Vapor Pressure (mm Hg):	N/A	Melting Point °C (°F):	N/A
Vapor Density (Air = 1):	N/A	Evaporation Rate (Butyl Acetate = 1):	N/A
Solubility in Water:	Completely soluble	Viscosity:	300-600 cps
Appearance & Odor:	Transparent pink, mild odor.	pH (neat):	0.71 +/- 0.05

Section IV - Fire and Explosion Hazard Data

Flash Point, (PMCC), Degree F: N/A
Flammability Limits:
LEL: N/A UEL: N/A
Extinguishing Media: N/A

Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: None

Section V - Reactivity Data

Stability: Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid temperatures above 400 degrees F.
Incompatibility (Materials to Avoid): Avoid contact with strong alkaline materials such as caustic. Reacts with water to form a weak hydrochloric acid solution.
Hazardous Decomposition or By-products: None.

Hazardous Polymerization Products: Will not occur.

Section VI - Health Hazard Data

Route(s) of Entry: **Moderately irritating to skin, eyes and mucous membranes.**
Health Hazards (Acute and Chronic): **Mild to sever irritant. May cause burns if not flushed with water.**

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

Signs and Symptoms of Exposure: **Irritation of the skin, eyes and breathing passage.**

Medical Conditions:

Generally Aggravated by Exposure: **Open wombs, respiratory problems.**

Emergency and First Aid Procedures:

Ingestion: **Can cause serious damage to mouth, esophagus and stomach.**

Eye Contact: **May cause burns and destruction of tissues if not flushed with water. Flush with fresh water.**

Skin Contact: **May cause mild skin irritation. Prolonged contact can be more severe if not flushing with water.**

Inhalation: **Causes coughing and irritation of the nose, throat and mucous membranes.**

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Large Spills: **Evacuate unprotected personnel from area. Maintain adequate ventilation. Use proper safety equipment.**

Small Spills: **Sweep up material into containers for neutralizing with soda ash. Flush area with water.**

Product Disposal: **If approved by Federal, State and local regulations, neutralize with soda ash and flush to sewer.**

Container Disposal: **Regular trash disposal.**

Waste Disposal Method: **Neutralize with soda ash or lime and flush to sewer if approved by Federal, State and local authority.**

Precautions to be Taken in Handling and Storing: **Store in a cool location. Keep containers closed after each use.**

Other Precautions: **Manufacturing personnel wear acid resistant gloves, chemical safety goggles, rubber apron, chemical safety shoes and protective clothing to cover skin. Maintain an eye-wash station. Provide a safety shower in the area.**

Section VIII - Control Measures

Respiratory Protection: **None required.**

Ventilation:

Local Exhaust: **None required.**

Special: **None required**

Mechanical: **None required.**

Other: **None required.**

Protective Gloves: **Rubber gloves.**

Eye Protection: **Safety glasses or goggles.**

Other Protective Clothing or Equipment: **None.**

Work / Hygienic Practices: **Eye wash fountains in the work area are recommended.**

Section IX – Transportation Information

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other Regulatory descriptions.

NFPA Rating: Hazard 0, Health 1 (Slight), Flammability 0, Reaction 0

HMIS Rating: Health 1 (Slight), Flammability 0, Reactivity 0

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication regulations.

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 C.F.R. 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof. RAM CHEMICAL & SUPPLY, INC., however makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving same will be required to make their own determination as to the stability for their purposes prior to use. In no event will RAM CHEMICAL & SUPPLY, INC. be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose, or of any nature are made hereunder with respect to information or the product to which information refers. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance(s) which is (are) the subject matter of this Material Safety Data Sheet. The ultimate compliance with federal, state and local regulations concerning the use of this compound or material, or compliance with respect to products liability laws or requirements, rests solely upon the purchaser and/or user thereof.