



SAFETY DATA SHEET

SUPER CLEAN 10

Section 1: Identification

Product Name:
Super Clean 10 Part No. 1500-900

Chemical Formula: See Section 3

CAS Number: N/A

General Use: Concentrated water based cleaner and degreaser. Use in Dilution Range of 1:5 to 1:25

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: Mildly irritating concentrated solution. May cause redness in eyes and irritation to skin upon repeated or prolonged exposure. Breathing heated solutions may cause mild irritation of upper respiratory system (coughing). Preexisting skin, eye or respiratory disorders may become aggravated through prolonged exposure

Target Organs: Upper respiratory tract, eyes and skin

Potential Short Term Health Effects:

Routes of Exposure: Eye, Skin contact, Inhalation

Eyes: Contact with product may cause redness, watering and itching

Skin: Skin contact may cause redness, or itching

Inhalation: Heated vapors may cause coughing or mild discomfort

Ingestion: May cause gastric irritation or stomach upset if swallowed

Chronic Effects: May cause redness or scaling of the skin upon repeated exposure

Carcinogenicity: The material is not known to be carcinogenic

Hazard Statements:	Code	Description
	H316	Causes skin irritation in concentrated form
	H320	May cause mild eye irritation
Precautionary Statements:	Code	Description
	P301	IF SWALLOWED: Drink water. Induce vomiting
	P309	IF you feel unwell, seek medical attention
	P303	IF ON SKIN: If used as concentrate, wash w/ soap and water
	P305	IF IN EYES: Flush with water

Section 3: Composition and Information on Ingredients

Component	CAS#	Concentration (vol/vol)
EDTA Solution	60-00-4	<1%
Sodium Metasilicate Pentahydrate	6834-92-0	2%-3%
Isopropyl Alcohol	67-63-0	1%-2%
Surfonic L12-6	66455-15-0	4%-5%
Sodium Sylene Sulfonate	1300-72-7	2%-3%
Water	7732-18-5	≥87%

Section 4: First Aid Measures

First Aid Procedures

- Inhalation:** Remove victim to fresh air if nasal, throat or lung irritation develops
- Eye Contact:** Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists
- Skin Contact:** Wash with soap and water if irritation develops. Seek medical attention if condition persists
- Ingestion:** Not an ingestion hazard under typical conditions of use. For accidental ingestion, drink one or two glasses of water. Induce vomiting and seek medical attention

General Advice: After first aid, get appropriate in-plant, paramedic, 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:** If concentrated solution, do not allow discharge to drains or sewers. Diluted Solutions are suitable for discharge to POTW and similar treatment systems
- Cleanup:** Spilled material may be collected with wet vacuum for re-use or disposal, or can be soaked up with absorbent and placed in waste disposal container
- Applicability:** Product is intended to be used as a cleaning agent, with subsequent discharge to sewer and wastewater treatment systems upon use

Section 7: Handling and Storage

- Overview:** Keep out of reach of children
- Handling:** As with any cleaning agent, use gloves and minimize skin contact. Material as supplied is concentrated solution and is diluted prior to cleaning application. Review technical data sheet / instructions for mixing or dilution ratios for each application. Label secondary containers with contents
- Storage:** Store in an area away from extremes of heat or cold in a closed container. Keep from freezing. If freezing occurs, thaw and stir gently. Insure container labels remain legible.

Section 8: Exposure Controls / Personal Protection

- Engineering Controls:** Provide secondary containment for concentrated solution
- Respiratory Protection:** The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation
- Protective Clothing/Equipment:** Nitrile or natural rubber gloves are recommended
- Safety Stations:** Make certain emergency eyewash station, safety/quick-drench showers, and washing facilities are available in work areas
- General Hygienic Practices:** Avoid prolonged contact with solution. Wash residues from hands before eating

Section 9: Physical and Chemical Properties

Appearance:

Physical State: Liquid
Color: Clear

Odor: Slight Organic Odor

pH Level: 10.0 – 11.0 s.u.

Initial Melting Point: N/A

Boiling Point: 207°F

Flash Point: N/A

Evaporation Rate (Butyl Acetate = 1.0): < 1.0

Flammability: None

Vapor Pressure (mm Hg): 28.5

Vapor Density (Air=1.0): > 1.0

Relative Density: Not Determined

Solubility in Water: Infinite

Partition coefficient: n-octanol/water: Not Determined

Auto-ignition temperature: None

Decomposition temperature: Not Determined

Viscosity: Not Determined

Specific Gravity (H₂O = 1.0): 1.054

Section 10: Stability and Reactivity

Stability: Stable at room temperature under normal storage and handling conditions

Polymerization: Hazardous polymerization will not occur

Incompatible Materials: Strong acids

Conditions to Avoid: Extremes of temperature

Hazardous Decomposition Products: N/A

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: None Known

LD50: None Known

Special Remarks on Toxic Effects on Humans or Animals: None Known

Ecotoxicity: None Known

BOD5 and COD: Not Available

Products Of Degradation: Possibly hazardous short-term or long-term degradation products are not likely

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

Section 13: Disposal Considerations

Disposal: As sold, material is suitable for discharge to POTW or processing through wastewater treatment systems

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: N/A

NMFC Number: 048580-03

ICO / IATA Class: N/A

Freight Class: 55

Section 15: Regulatory Information

Federal Regulations: TSCA 8(b) Inventory: All components of Super Clean 10 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

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