



RAM ENVIRONMENTAL TECHNOLOGIES, INC

SAFETY DATA SHEET

SPARKLE

Section 1: Identification

Product Name:
Sparkle Part No. 1500-901

Chemical Formula: See Section 3

CAS Number: N/A

General Use: Concentrated water based cleaner and degreaser. 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: May be mildly to severely irritating in concentrated form. Will cause severe gastric and stomach irritation if swallowed. Severe to permanent eye damage possible with 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
	H315	Causes skin irritation in concentrated form
	H318	Causes serious eye damage with prolonged exposure
	H302	Harmful if swallowed

Precautionary Statements:	Code	Description
	P301	IF SWALLOWED: Drink large amounts of water or milk. Induce vomiting and seek immediate medical attention
	P303	IF ON SKIN: If used as concentrate, wash w/ soap and water
	P305	IF IN EYES: Flush with water for 15 minutes and seek immediate medical attention

Section 3: Composition and Information on Ingredients

Component	CAS#	Concentration (vol/vol)
Caustic Soda (Sodium Hydroxide)	68-04-2	2%- 3%
EDTA Solution	102-71-6 TEA / 111-42-2 DEA	1%-2%
Sodium Metasilicate Pentahydrate	112-34-5	4%-5%
Isopropyl Alcohol 99%	5989-27-5	<1%
Surfonic L12-6	27176-87-0	<1%
Sodium Xylene Sulfonate	66455-15-0	7%-8%
Water	7732-18-5	≥82%

Section 4: First Aid Measures

First Aid Procedures

Inhalation: Remove sensitized individuals to fresh air if experiencing minor nausea or headaches

Eye Contact: Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low pressure water for at least 15 minutes and seek immediate medical attention

Skin Contact: Wash with soap and water and seek medical attention if irritation results. Seek medical attention if condition results

Ingestion: If swallowed, drink large amounts of water or milk, induce vomiting and seek immediate 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 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:** Use proper ventilation – local exhaust- normal room ventilation
- Protective Clothing/Equipment:** Chemical resistant gloves recommended for general protection.
Protective clothing to avoid contact w/concentrate 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: | Green |
- Odor:** Slight Alcohol Odor
- | | |
|------------------------|-------------------|
| Odor Threshold: | No Data Available |
|------------------------|-------------------|
- pH Level:** 2.0 – 13.0 s.u.
- Initial Melting Point:** N/A
- Boiling Point:** 208°F
- Flash Point:** N/A
- Evaporation Rate (Butyl Acetate = 1.0):** < 1.0
- Flammability:** None
- Vapor Pressure (mm Hg):** 28.7
- Vapor Density (Air=1.0):** > 1.0
- Solubility in Water:** Infinite
- Auto-ignition temperature:** None
- Specific Gravity (H2O = 1.0):** 1.068

Section 10: Stability and Reactivity

Stability: Stable

Polymerization: Hazardous polymerization will not occur

Incompatible Materials: Strong acids

Conditions to Avoid: Extremes of temperature

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: Could produce severe to permanent damage to eyes with prolonged exposure

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

Eye: No effect expected. Could produce severe to permanent damage with prolonged exposure

Skin: No effect expected. If used as concentrate, mild to severe irritation is possible

Ingestion: Will likely cause severe gastric and stomach irritation if swallowed

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: 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: Readily biodegradable

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 Sparkle 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.