

Material Safety Data Sheet

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Rowley Company, LLC
 230 Meek Rd
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SECTION I - PRODUCT IDENTIFICATION

Rowley Co. – Liquid Steamer Cleaner (Stock #DS15)

SECTION II – HAZARDOUS/INFORMATION OF INGREDIENTS

Composition/Information on Ingredients

Chemical Name	Case Number	WT/WT% Less Than
Hydroxyacetic Acid	79-14-1	10.5 %
Sulfamic Acid	5329-14-6	6.8 %

SECTION III - PHYSICAL DATA

Boiling Range:	> 200° F
Vapor Density:.....	Same as water (AIR=1)
Odor:	Odorless
Odor Threshold:	Not determined
Appearance:.....	Clear, water thin liquid
Evaporation Rate:	Slower than 1 (Butyl Acetate =1)
Solubility in H ₂ O:	Infinitely soluble
Freeze Point:.....	Not determined
Specific Gravity:	1.071
Vapor Pressure:	Same as water (mm Hg)
pH @ 1%:	2.0 – 2.5
Physical State.....	Liquid
Viscosity:	Not determined
Coefficient of Water/Oil Distribution:	Not determined

SECTION IV – FIRE FIGHTING MEASURES

Flash Point:	Non-flammable
Flammable Limits:	Not applicable
Auto Ignition Temperature:.....	Not determined
Extinguishing Media	Product does not support combustion. Use extinguishing media suitable for surrounding fire.
Unusual Fire & Explosion Hazard.....	May release sulfur dioxide, sulfur trioxide, and ammonia if involved in a fire, contact with metals may produce flammable Hydrogen gas.
Special Firefighting Procedures.....	Solutions are strongly acidic. Wear protective clothing a NIOSH-approved self contained breathing apparatus. Neutralize run off from fire control with

lime, soda, ash, etc. to prevent pollution of corrosion of metals and formation of Hydrogen gas.

SECTION V – HAZARDS IDENTIFICATION

Emergency Overview

Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors. Containers of this material may be hazardous when emptied since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze, or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

Eye Contact:.....

Corrosive to eyes causes eye burns.

Skin Contact:.....

Corrosive to skin irritates or burns skin, nose and throat.

Inhalation:.....

Burns nose

Ingestion:.....

Burns throat

Primary Route(s) of Entry.....

Inhalation, skin, ingestion

SECTION VI – STABILITY AND REACTIVITY

Incompatibility:

Hazardous reaction in aqueous solution may occur with chlorine, hypochlorous acid, hypochlorites, cyanides, or sulfides. Reacts with metals and oxidizing agents

Hazardous Decomposition Products:.....

Thermal decomposition releases sulfur dioxide, sulfur trioxide, and ammonia gases.

Hazardous Polymerization:

Will not occur under normal conditions

Stability:.....

Stable

SECTION VII – ACCIDENTAL RELEASE MEASURES

In the event of a spill or accidental release, neutralize with lime or soda ash. Clean up spillage and flush area with large quantities of water.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:.....

Provide recommended local exhaust ventilation

Respiratory Protection:.....

None

Skin Protection

Acid resistant rubber gloves

Eye Protection.....

Safety goggles

Other Protective Equipment.....

Acid suit if there is possibility of contact with large quantities.

Hygienic Practices.....

Always wash hands with soap and water after handling.

SECTION IX – HANDLING AND STORAGE

Storage Precaution.....	Keep in a well ventilated area away from other materials
Waste Disposal.....	In accordance with federal, state, and local regulations

SECTION X - FIRST AID MEASURES

Eye Contact:.....	Flush immediately with water for at least 15 minutes and call a physician.
Skin Contact	Flush immediately with water for at least 15 minutes. Wash contaminated clothing before reuse.
Ingestion.....	Do not induce vomiting. Drink large quantities of water or milk. Call a physician.

SPECIAL INFORMATION

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations. The environmental information and hazardous materials identification system have been included by Rowley Company, LLC in order to provide additional health and hazard classification information. The ratings recommend are based upon the criteria supplied by the developers of these ratings systems, together with Rowley Company, LLC interpretation of the available data. Proper personal protective equipment varies widely with conditions of use and anticipated exposure. We recommend that a supervisor or other qualified person determine proper PPE for intended use.