



13899

# Material Safety Data Sheet

Page 1 of 2

IDENTITY (As Used on Label and #s) <b>Jiffy Steamer Liquid Cleaner</b>	HMIS Rating			
	Health 2	Flammability 0	Reactivity 0	Personal Protection Index B

<b>Section I</b>	
Manufacturer's Name Whink Products Company	Emergency Telephone Numbers Transportation-Chemtrec: (800) 424-9300 Medical: (800) 229-6036
Address (Number, Street, City, and ZIP Code)	Telephone Number for Information (800) 247-5102
1901 15 <sup>th</sup> Avenue	Date Prepared 1-25-99
Eldora, IA 50627	Supercedes 10-12-98
	Signature of Preparer (optional) <i>Ken Taranoff</i>

<b>Section II — Hazardous Ingredients/Identity Information</b>					
Hazardous Components (Specify Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hydroxyacetic Acid	79-14-1	Not established	Not established	Not established	10.5
Sulfamic Acid	5329-14-6	Not established	Not established	Not established	6.8

<b>Section III — Physical/Chemical Characteristics</b>			
Boiling Point	> 200° F	Specific Gravity	1.071
Vapor Pressure (mm Hg)	Same as water	Melting Point	Not applicable
Vapor Density (AIR = 1)	Same as water	Evaporation Rate (Butyl Acetate = 1)	Slower than 1
Solubility in Water Infinitely soluble		pH (1%)	2.0 - 2.5

**Appearance and Odor**

Clear, water thin, odorless liquid.

<b>Section IV — Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) Non-flammable	Flammable Limits Not applicable	LEL —	UEL —

**Extinguishing Media**

Product does not support combustion. Use extinguishing media suitable for surrounding fire.

**Special Fire Fighting Procedure**

Solutions are strongly acidic. Wear protective clothing including a NIOSH-approved self contained breathing apparatus. Neutralize run-off from fire control with lime, soda ash, etc. to prevent pollution and corrosion of metals and formation of Hydrogen gas.

**Unusual Fire and Explosion Hazards**

May release sulfur dioxide, sulfur trioxide, and ammonia if involved in a fire. Contact with metals may produce flammable Hydrogen gas.

## Jiffy Steamer Liquid Cleaner — Page 2 of 2

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	

## Incompatibility (Materials to Avoid)

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

## Hazardous Decomposition or Byproducts

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

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

## Health Hazard (Acute and Chronic)

Corrosive to skin and eyes. Exposure by inhalation or ingestion may cause corrosion of mucosal membranes.

Carcinogenicity:	NTP?	IARC Monograph?	OSHA Regulated?
	No	No	No

## Signs and Symptoms of Exposure

Causes eye burns. Irritates or burns skin, nose and throat.

## Medical Conditions Generally Aggravated by Exposure

Unknown

## Emergency and First Aid Procedures

Eyes: Flush immediately with water for at least 15 minutes and call a physician.

Skin: Flush immediately with water for 15 minutes. Wash contaminated clothing before reuse.

Ingestion: Do not induce vomiting. Drink large quantities of water or milk. Call a physician.

**Section VII — Precautions for Safe Handling and Use**

## Steps to Be Taken in Case Material is Released or Spilled

Neutralize with lime or soda ash. Clean up spillage and flush area with large quantities of water.

## Waste Disposal Method

In accordance with federal, state, and local regulations.

## Precautions to Be Taken in Handling and Storing

Keep in a well-ventilated area away from other materials.

## Other Precautions

None

**Section VIII — Control Measures**

## Respiratory Protection (Specify Type)

None

Ventilation	Local Exhaust Recommended	Special
	Mechanical (General)	Other

## Protective Gloves

Acid resistant rubber gloves

## Eye Protection

Safety goggles

## Other Protective Clothing or Equipment

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

## Work/Hygienic Practices

Always wash hands with soap and water after handling.