



Material Safety Data Sheet

Whink Coffeemaker Cleaner

IDENTITY (As Used on Label and list) Automatic Drip Coffeemaker Cleaner	HMIS Rating			
	Health 2	Flammability 0	Reactivity 0	Personal Protection Index B

Section I

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) 1901 15 th Avenue Eldora, IA 50627	Telephone Number for Information (800) 247-5102 Date Prepared 6-27-00 Signature of Preparer (optional) <i>Joe Arnes</i>	
	Supersedes 1-25-99	

Section II — Hazardous Ingredients/Identity Information

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

Section III — Physical/Chemical Characteristics

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.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Non-flammable	Flammable Limits Not applicable	LEL —	UEL —
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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.



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? Yes	Skin? Yes	Ingestion? Yes
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Health Hazard (*Acute and Chronic*)

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

Carcinogenicity:	NTP? No	IARC Monograph? No	OSHA Regulated? No
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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 (<i>General</i>)	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/Hygiene Practices

Always wash hands with soap and water after handling.