

MATERIAL SAFETY DATA SHEET

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Product.....> **MG-0930**

Section 1: Material Identification

Chemical Family..... sulfamic acid based formulation.
DOT Ship Name..... Sulfamic Acid, Dry Solid
Hazard Class..... Class 8 UN2967 PGIII
Date Prepared..... December 13, 2005

Section 2: Ingredient and Hazards

Hazard Classification: corrosive

<u>Ingredient</u>	<u>Percent</u>	<u>Limits (TLV)</u>
sulfamic acid CAS (5329-14-6)	100	none established

Section: 3 Physical Data

Boiling Point..... decomposes
Specific Gravity..... 2.126
Vapor Pressure..... n/a
Evaporation Rate..... n/a
Vapor Density..... n/a
Measured pH (10% sol). 2.5
Water Solubility..... complete
Appearance..... white powder
Odor..... none

Abbreviation: n/a = not applicable n/d = not determined

MATERIAL SAFETY DATA SHEET

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Section: 4 **Fire and Explosion Data**

Flash Point, F, COC.....	none
Flammable Limits.....	none
Auto Ignition Temp....	n/a
Extinguishing Media...	water, carbon dioxide, dry, foam
Special Procedures....	none
Unusual Fire Hazards..	decomposition products maybe toxic, sulfur dioxide, trioxide and ammonia may be released, use self contained breathing apparatus.

Section 5: **Health Hazard Data**

Threshold Limit Value..	none established
Carcinogen.....	none

*** ROUTES OF EXPOSURE ***

Eye Contact.....	corrosive powder, avoid contact.
Skin Contact.....	irritation and burning can occur.
Inhalation.....	none
Oral.....	Do not ingest, can cause gastric upset.

EYES & DERMAL

*** EMERGENCY FIRST AID ***

Eyes.....	flush with water 15 minutes.
Skin.....	flush with water 15 minutes.
Inhalation.....	move to fresh air.
Ingestion.....	Do not induce vomiting. Give large quantities of water or milk. Get immediate medical attention.

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Section 6: Reactivity Data

Stability..... stable
Incompatibility..... strong oxidizing agents or bases, may react with chlorine, hypochlorous acid, sodium hypochlorite, cyanides or sulfides with heat.
Decomposition Products.. sulfur dioxide and trioxide.
Hazardous Polymerization will not occur

Section: 7 Environmental Protection Procedures

Spill..... collect using absorbent material. Shovel into sealable containers. Drench small spills with water to waste treatment system. Can be neutralized with alkalies.

Waste Disposal..... Contain large spills in closed containers. Spent material may be characterized as EPA D002 corrosive waste. Dispose of following federal, state or local regulations.

Reportable Quantities... none

TSCA Listed..... amidosulfonic acid CAS(5329-14-6) is listed on the Toxic Substances Chemical Act inventory.

Section: 8 Control Measures/Special Protection

Respiratory Protection.. none
Ventilation Recommended. provide local exhaust
Protective Gloves..... chemical resistant
Eye Protection..... chemical goggles or face shield
Other Equipment..... safety/eye wash nearby
Work/Hygienic Practices: wash thoroughly after handling

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