MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Brass Ager
PRODUCT No.: 941-092
CAS NO.: See Section 2
DATE: 01/23/04

	HMIS	HAZARD RANK
HEALTH:	2	0 = Least
FIRE:	0	1 = Slight
REACTIVITY:	0	2 = Moderate
PHYSICAL HAZARD:	0	3 = High
		4 = Extreme

SECTION 1 – DISTRIBUTOR IDENTIFICATION

WOODWORKER'S SUPPLY®, INC.
1108 North Glenn Road
Casper, WY 82601
800-645-9292

For Chemical Emergency
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

OSHA Hazardous Ingredients (29CFR1910.1200):			Exposure Limits (8 Hrs.TWA)	
Components:	C.A.S.	%	OSHA PEL	ACGIH TLV
Phosphoric Acid	7664-38-2	5	1 mg/m^3	1 mg/m^3
**Copper Sulfate	7758-98-7	2	1 mg/m^3	1 mg/m^3
**Hydrochloric Acid (Muriatic Acid)	7647-01-0	<1	5ppm ceiling	5ppm ceiling
**Selenium Dioxide	7446-08-4	2.34	Not Established	0.2 mg/m^3

See NOTE I & NOTE II Under "REGULATORY INFORMATION" at end of MSDS

SECTION 3 – HAZARDS IDENTIFICATION

********** EMERGENCY OVERVIEW **********

Clear blue liquid with no odor. Will not burn. Personal exposure may cause redness of exposed tissues, dizziness, nausea, irritation of eyes and skin, dermatitis. Contact with metals will produce hydrogen, which is flammable and explosive in air. Packaging material can burn or melt in fire, producing toxic smoke and fumes.

****

Potential Health Effects:

Eye Contact:	Irritating to the eyes. Redness of exposed tissues.		
Skin Contact:	Irritating to skin. Redness of exposed tissues. Dematitis.		
Ingestion:	Nausea.		
Inhalation:	Dizziness.		
Medical Conditions Aggravated by Exposure:	None known		
Carcinogenicity:	IARC: No	NTP: No	OSHA: Not Regulated

SECTION 4 – FIRST AID MEASURES

Eye Contact**:** Flush eyes with water, lifting eyelids periodically. Remove contact lenses. Continue flushing for 15 minutes or until eyes return to normal. Get medical attention if irritation develops or persists.

Skin Contact:	Wash with soap and water. Get medical attention if irritation develops or persists. Wash clothing before reuse.
Ingestion:	Dilute by giving several glasses of salty water (1 tablespoon per glass). If vomiting occurs, repeat until vomit is clear. Never induce vomiting or give anything by mouth to a victim unconscious or having convulsions. Have patient lie down, keep warm, call physician.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flammable Properties:	Will not burn.
Flash Point:	Will not flash.
Upper Explosive Limit (UEL):	Not applicable.
Lower Explosive Limit (LEL):	Not applicable.
Extinguishing Media:	This product is not combustible or flammable. Use extinguishing agents that are suitable to the surrounding fire; water spray dry chemical, foam or CO_2.
Fire fighting Instructions:	Firefighters should be equipped with self-contained breathing apparatus operated in the pressure-demand or other positive-pressure mode when material is involved in fire.
Unusual Fire Hazard:	Contact with metals will produce hydrogen, which is flammable and explosive in air.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedures:	Contain spill. Neutralize with sodium bicarbonate or lime and absorb with sawdust or other inert absorbent. Sweep up absorbed material and place into dry, labeled container for disposal. Flush spill area with water and drain to wastewater treatment system.

SECTION 7 – HANDLING AND STORAGE

Storage:	Store at ambient temperatures away from food and beverages, excessive heat or flame sources (furnace, kilns, boilers etc.). Keep product from freezing.
Handling:	Avoid getting in eyes or on skin. Wash hands thoroughly after handling. Avoid contact with moisture.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Maintain air levels below the recommended exposure limits using process enclosure and exhaust ventilation if necessary.
Eyes:	Wear safety glasses with side shields or goggles.
Skin:	Impervious body-covering clothing and boots. Rubber or other impervious gloves.
Respiratory Protection:	NIOSH/MSHA approved respirator for inorganic acids.
Other:	Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.
Work/Hygiene Practices:	Employees should wash their hands and face before eating, drinking or using tobacco products.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance…….. : Clear Blue
Odor..... : Odorless

Physical State..... : Liquid
pH……..... : Not Established
Vapor Pressure……... : 17.0 @ 20°C
Vapor Density..……. : Not Available
Boiling Point……..…. : 215°F (101.7°C)
Freezing Point..…….. : 20.8°F (16.2°C)
Solubility in Water……. : Complete
Specific Gravity…….. : 1.070

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Incompatibility (Materials to Avoid):	Metals (produce hydrogen gas), bases, strong oxidizers.
Hazardous Decomposition Products:	Sulfur dioxide, hydrogen chloride gas, phosphorus oxide fumes.
Hazardous Polymerization:	Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Eyes:	Not established
Skin:	Not established
Ingestion:	Not established
Inhalation:	Not established
Subchronic:	Not established
Chronic/Carcinogenicity:	None known
Other (Mutagenic, Teratogenic, Reproductive Tests):	None known

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicological Information: Fish toxicity: Not Established
Chemical Fate Information: No appreciable bioconcentration is expected in the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Material which cannot be re-used should be disposed in accordance with federal, state and local environmental control regulations at an authorized site by an approved contractor. Product and packaging can be disposed of or recycled as non-hazardous waste. Not a RCRA hazardous waste. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40CFR 261.20-24).

SECTION 14 – TRANSPORT INFORMATION

DOT Shipping Name……..…. : CORROSIVE LIQUID, N.O.S. (CONTAINING PHOSPHORIC ACID AND SULFURIC ACID)
DOT Hazard Class……..…. : Corrosive, 8, PG II
UN Number……..…..…….. : UN1760

SECTION 15 – REGULATORY INFORMATION

Reportable Quantity (RQ)……..: 425 lbs.

NOTE I Hazardous Component(s) subject to reporting under 40 CFR 372 (SARA Title III, Sec. 313).
NOTE II Other components of this product are being withheld as trade secret in accordance with OSHA Hazard Communication Standard 29CFR 1910.1200 (i). In medical emergency, health professionals may obtain identity of components by calling CHEMTREC in accordance with 29CFR 1910.1200(i)(2). Otherwise, 29CFR 1910.1200(i)(3) and (4) apply.

SECTION 16 – OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the Distributor. The data on this sheet relates only to the specific material designated herein. It may not be valid for this material if used in combination with any other materials or process. It is the user's responsibility to verify suitability and completeness of this information for their own particular use. The Distributor assumes no legal responsibility for use or reliance upon these data.