MATERIAL SAFETY DATA SHEET

SECTION 1 – GENERAL INFORMATION

Manufacturer:
Modern Masters, Inc.
9380 San Fernando Road,
Sun Valley, California 91352
818-683-0201

HMIS Rating

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1

Emergency Telephone: 800-942-3166

Preparation Date: February 19, 2009
Revision Date: May 5, 2009

Product Name: Metal Effects Rust Activator Solution

Product Code: PA904

SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Component	CAS #	OSHA PEL	ACGIH TLV
Blue Copper	7758-99-8	1 mg/m3 (as copper) (dusts and mists)	0.1 mg/m3 (as copper) (fumes)
Sal Ammoniac	12125-02-9	20 mg/m3	10 mg/m3

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: This material is a reactive patinating solution. It is a stable, non-flammable, translucent blue flowable liquid with a flash point above 200°F.

Primary Routes of Exposure:
Inhalation Skin contact Eye contact Ingestion

Potential Acute Health Effects:
Inhalation: May cause respiratory tract irritation
Eye: Will cause eye irritation
Skin: Prolonged or repeated skin contact may cause irritation
Ingestion: May be toxic to liver and kidneys.

Potential Chronic Health Effects: None known

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SECTION 4 – FIRST AID MEASURES

Eye contact: Flush eyes with clean water for 15 minutes. Seek medical attention.

Skin contact: Thoroughly wash with soap and warm water.

Inhalation: If irritation occurs, remove to fresh air and seek medical attention if cough or other symptoms develop.

Ingestion: If ingested, induce vomiting. Seek medical attention.

Note to Physician: Treat symptomatically. Wilson's Disease, a disease associated with the inability to remove copper from the blood, is a medical condition aggravated by exposure to Blue Copper.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point (method): N/D (est. >200°F)

Extinguishing Media: Use water spray, foam, or carbon dioxide when fighting fires involving this material.

Protection of Firefighters: As in any fire, wear NIOSH approved self-contained breathing apparatus pressure-demand and full protective gear.

Fire and Explosion Hazards: Material will not burn.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Slippery: can cause slips and falls if walked on.

Clean Up Methods: Contain spill with sand or other diking material. Soak up small spills with absorbent material. Dispose of in accordance with federal, state, and local regulations.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment.)

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SECTION 7 – HANDLING AND STORAGE

Handling: Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash hands thoroughly with soap and warm water after use. Do not ingest.

Storage: Keep container tightly closed when not in use. Do not reuse containers and properly dispose of empty containers after use. Do not store in metal containers.

KEEP OUT OF REACH OF CHILDREN!

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: If necessary, use general room dilution ventilation, process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Eye contact should be avoided. Where eye contact is likely, wear chemical splash goggles and/or full-face shield.

Skin Protection: Skin contact should be avoided. Wear impervious rubber or latex gloves when using this product.

Respiratory Protection: None needed under normally anticipated use conditions. If vapor levels exceed allowable limits, wear a NIOSH approved air-purifying respirator with an organic vapor cartridge.

General Hygiene Practices: Avoid eye and skin contact. Avoid breathing vapors. Wash hands with soap and warm water before eating, drinking, or using the toilet.

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SECTION 9 – PHYSICAL DATA

Appearance:	Translucent blue flowable liquid	**Odor:**	Mild odor
Physical State:	Liquid	**pH:**	2 to 6
Boiling Point:	Above 200°F	**Melting Point:**	<32°F
Vapor Pressure:	N/D	**Vapor Density:**	N/D
Odor Threshold:	N/D	**Viscosity:**	<100 cps
Solubility in Water:	Dilutable in water	**Specific Gravity** (water = 1)**:**	1.0-1.2

VOC: This product contains no (zero) Volatile Organic Compounds.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable, non-reactive

Incompatibility: Strong bases; metal

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: None known

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity: This material is not considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA.

Wilson's Disease, a disease associated with the inability to remove copper from the blood, is a medical condition aggravated by exposure to Blue Copper.

(See also Section 15 for related information.)

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SECTION 12 – ECOLOGICAL INFORMATION

Chemical Effects: Blue Copper is toxic to fish and marine organisms. Do not contaminate water destined for streams, rivers, ponds, or lakes.

Chemical Fate: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Recommended Waste Disposal Method: This material is not considered hazardous waste under Federal Hazardous Waste Regulations (40CFR 261). However, state and local requirements for waste disposal may be more restrictive or otherwise differ from federal regulations. Chemical additions, processing, or otherwise altering this material may render the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate. Consult all applicable federal, state, and local regulations regarding the proper disposal of this material.

SECTION 14 – TRANSPORTATION INFORMATION

Regulated by the DOT: Not regulated

DOT Proper Shipping Name: Paint

SECTION 15 – REGULATORY INFORMATION

CERCLA:
The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS #	Maximum Concentration (Wt. %)
none	N/A	N/A

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SARA Title III, section 311/312:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311, and 312).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS #	Maximum Concentration (Wt. %)
none	N/A	N/A

SARA Title III, section 313:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS #	Maximum Concentration (Wt. %)
Blue Copper	7758-99-8	5%
Sal Ammoniac	12125-02-9	6%

TSCA:
The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

This product does not contain any chemicals that would require export notification under Section 12(b) of the TSCA regulation.

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SECTION 16 – OTHER INFORMATION

Legend:
N/A: Not Applicable
N/D: Not Determined
N/E: Not Established
N/R: Not Required
STEL: Short Term Exposure Limit
C: Ceiling Value
cps: Centipoise
mg/m^3: milligrams per cubic meter
PPM: Parts Per Million
PPB: Parts Per Billion
PEL: Permissible Exposure Limit
TLV: Time Weighted Average
mppcf: million particles per cubic foot of air
ACGIH: American Conference of Governmental Industrial Hygienists
CPSC: Consumer Product Safety Commission
DOT: US Department of Transportation
FHSA: Federal Hazardous Substance Act
OSHA: Occupational Safety and Health Administration (US Dept. of Labor)
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendment and Reauthorization Act
TSCA: Toxic Substance Control Act

HMIS Key
4 = Severe Hazard
3 = Serious Hazard
2 = Moderate Hazard
1 = Slight Hazard
0 = Minimal Hazard

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