

MATERIAL SAFETY DATA SHEET

Product Name: Silver Paint (18% Silver formula)

Revision Date: 1/01

Emergency Telephone No. (914) 355-3300

HAZARDOUS MATERIAL RANKING SYSTEM

4. Extreme 3. Serious 2. Slight 1. Minimal

HEALTH: 1 FIRE: 0 REACTIVITY: 0 SPECIFIC HAZARD: 0

SECTION I – HAZARDOUS INGREDIENTS

Solvents:	H ₂ O	55-60%	Ethyl Alcohol	15-20%
CAS NUMBER:			64-17-5	
Metal:	Silver	15-20%		
CAS NUMBER:	7440-22-4			
Glass Component:	Oxides of			
CAS NUMBER:				

SECTION II – PHYSICAL DATA (Of Principal Solvents)

Boiling Point: 78.5° C Vapor Pressure (mmHg): 79 Vapor Density (air=1): 1.59 Solubility/H₂O: 100
Specific Gravity (H₂O=1): Volatile by volume (%): 15-20 Evaporation Rate (Butyl Acetate=1): 2.03
Appearance and Odor: clear/acidic

SECTION III – FIRE AND EXPLOSION HAZARD DATA

Flash Point: 57° C (TCC) Flammable Limits: 3.28-19 Extinguishing Media: Foam, Halon, Dry Chemical
Special Fire Fighting Procedures: Use Self Contained Breathing Apparatus. Avoid contact with burning material. At elevated temperatures, toxic fumes or vapor may be given off. Cool exposed containers with water if fire is imminent or present. Do not use water to extinguish flames. Residue from combustion, including contaminated clothing or equipment, may contain material considered to be hazardous. See "Waste Disposal" section for disposal.

Unusual Fire and Explosion Hazards: Heavier than air vapors may travel along ground.

SECTION IV – HEALTH HAZARD DATA

Threshold Limit Value: none OSHA

Principal Health Effects: Human health effects of overexposure due to failure to observe proper safety guidelines, to components of this product may include: Skin irritation with discomfort or rash – Eye irritation with discomfort, tearing or blurring of vision – Gastrointestinal irritation – Irritation of the upper respiratory tract – Reduced white blood cell production – Abnormal blood forming system function with anemia – Nausea – Headache or weakness – Temporary lung irritation effects with cough discomfort – Abnormal kidney function as detected by laboratory testing – Abnormal liver function as detected in laboratory testing.
Human health effects of higher level acute or chronic overexposure due to failure to observe proper safety guidelines to components of this product may include: Abnormal skin redness – Argyria – Initial symptoms from inhalation, follow hours of shortness of breath, requires prompt medical attention – Abnormal liver function with jaundice as detected in laboratory testing.

FIRST AID

Ingestion: DO NOT INDUCE VOMITING: Immediately give two glasses of water or activated charcoal slurry. Never give anything by mouth of an unconscious person. Get immediate medical attention.

Excessive Inhalation: Remove to fresh air. Supply fresh air or oxygen. If breathing is difficult give oxygen. Give artificial respiration if breathing has stopped. Call physician. INSTRUCTION TO PHYSICIAN: To prepare activated charcoal slurry, suspend 50 grams activated charcoal in 400 mL water in plastic bottle and shake well. Administer approximately 350 mL for an average adult.

Eye Contact: In case of eye contact immediately flush with water for 15 minutes. Call physician.

Skin Contact: Wash with soap and water. Avoid repeated skin contact. Wash thoroughly after handling and before eating or smoking.

SECTION V – REACTIVITY DATA

Stability: Stable Conditions to avoid: None Haz. Decomposition: None
Hazardous Polymerization: Will not occur Incompatibility: None

SECTION VI – SPILL OR LEAK PROCEDURES

FOR SMALL SPILLS: Wipe up material with paper towel, or absorb with sand or any other absorbent material.

FOR LARGE SPILLS: Avoid breathing vapors. Get workers out of affected area. If it cannot be ventilated, use self contained breathing apparatus along with protective equipment. If spill is too large to absorb with sand then dike the spill to prevent from spreading or draining into sewer or ground. DO NOT dilute or flush material down sewer or onto ground. Once spill is contained, wipe up with absorbent material. The absorbent material is now considered “hazardous”. Consult “Waste Disposal” section.

WASTE DISPOSAL: Contents of this product may be considered hazardous. Consult applicable Federal, state and local regulations for allowable disposal methods.

SECTION VII – SPECIAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT: Any part of the body that may come in contact with this product should be protected. Standard protection includes solvent resistant gloves, respirator, safety goggles with splash guards and lab jackets or protective aprons.

VENTILATION: During the handling of this product solvent, vapors may be given off. Adequate local ventilation is necessary. Where this is not possible a hydrocarbon vapor filter respirator is recommended.

STORAGE: Store in a cool, dry location. Store product below 90° F to insure product viscosity.

ALWAYS use correct industrial hygiene practices.

The information provided herein is accurate to the best of our knowledge but without warranty, expressed or implied and pertains only to the product listed and does not relate to use in any process or subsequent blends of combinations.