

MATERIAL SAFETY DATA SHEET

Manufactured for:
CLEARCO PRODUCTS CO, INC.
3430-G PROGRESS DR
BENSALEM, PA 19020

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Date: 04/07/04 nc

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: SILVER ZINC PRIMER

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredient Description	Cas Number	Wt %	TLV	PEL	OTHER
Zinc Dust	7440-66-6	39.5	5.0 mg/m3 ACGIH	15.0 mg/m3 OSHA	
Xylol	1330-20-7	32.6	150 ppm STELACGIH	100 ppm OSHA	LC50 6350 ppm 4H RAT LD50 ORAL 5.2 g/kg 200 ppm 10' CEIL. NIOSH IDLH 10000 ppm
Ethyl Benzene	100-41-4	4.3	100 ppm ACGIH	100 ppm OSHA	LC50 10400 ppm MICE IDLH 2000ppm
SC-100 Solvent #100 Aromatic Hydrocarbon	64742-95-6	1.6	25 ppm ACGIH	25 ppm OSHA	300 ppm MICE LC50 2900 mg/kg RATS ORAL MFG 50ppm 8hr
VMP Naphtha-66	64742-89-8	3.3	300 ppm ACGIH	300 ppm OSHA	LC50 3400 ppm/4H RAT LD50 >8 ml/kg ORAL
Mineral Spirits-66	8052-41-3	1.6	100 ppm TWAACGIH	100 ppm TWAOSHA	LC50 >700 ppm/4H RAT LD50 >25 ml/ks/ ORAL IDLH 5000 ppm

SECTION III - PHYSICAL DATA

Boiling Point 210°F % Volatile-Volume 73.55
Vapor Density Heavier than Air % NVM-Weight 56.18
Evaporation Rate Slower than BU AC % NVM-Volume 26.44
Weight/Gallon 11.88 VOC (lb/gal) 5.21

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Classification: Paint Class3 UN1263 PGII UN1263
Flash Point: 45°F TCC LEL: .70 UEL: 22.70
Extinguishing Media: Foam, CO2, Dry Chemical. ****DO NOT USE WATER****
Unusual Fire and Explosion Data: Do not mix with acid or caustic materials. Keep away from Heat, Sparks, Open Flames, Electrical Equipment, etc. DO NOT USE WATER. Hydrogen Gas may form producing an explosive environment.
Special Firefighting Procedures: Exclude air from fire. Respiratory equipment should be worn to avoid inhalation of vapors. DO NOT USE WATER!

SECTION V - HEALTH HAZARD DATA

Target Organs: Respiratory system, eyes, skin, central nervous system, liver, kidney, gastrointestinal tract, upper respiratory system, respiratory irritation
Routes of entry and acute effects of exposure:
Contact: Direct contact with this product may cause: eye irritation, dermatitis, skin cracking, skin irritation
Inhalation: If inhaled, may cause respiratory irritation, central nervous system effects, mucous membrane irritation, headache, narcosis, euphoria, collapse, pupil dilation, drowsiness, central nervous system effects
Ingestion: If swallowed, may cause intestinal tract irritation, central nervous system effects, pneumonitis, kidney damage, liver damage, nausea, pulmonary edema, blood, pancreas, heart
Absorption: If absorbed, may cause skin irritation
Primary Routes of Entry: Dermal, Inhalation, Ingestion, Absorption
Medical Conditions Prone to Aggravation by Exposure: Anesthesia, respiratory tract irritation, dermatitis, nausea, vomiting.
Chronic Effects of Overexposure: Cardiac abnormalities, liver damage, kidney damage, central nervous system effects, dermatitis, liver abnormalities
Emergency and First Aid Procedures:
Inhalation: Move to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.
Eye Contact: Flush with large quantities of water for 15 minutes.
Skin Contact: Wash Thoroughly with soap and water and see a doctor.
Ingestion: Do not induce vomiting. Contact physician or poison control center immediately.

SECTION VI - REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: Thermal Decomposition may yield Carbon Monoxide, Carbon Dioxide and other hazardous products.
Conditions to Avoid: Heat, Sparks, Open Flame, Electrical Equipment, Fire, Acids, Caustics, etc.
DO NOT MIX WITH WATER OR USE WATER FOR FIRE.
Incompatibility (Materials to Avoid): Acids, Alkaline Materials and Oxidizers. DO NOT USE WATER. Hydrogen Gas may form.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Remove all sources of ignition (heat, sparks, open flame). Avoid breathing vapors. Ventilate area. Contain and clean up spills with non sparking tools, rags, etc. Use inert absorbent materials on small spills or residuals of large spills.
Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

Respiratory Protection: Provide OSHA approved organic vapor canister respirators where oxygen content is adequate and where airborne mists and vapor concentrations are above the time-weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh air supply respirator or a self-contained breathing apparatus.
Ventilation: Mechanical ventilation or local exhaust must be used to keep vapor concentrations below TLV. All ventilation equipment must be explosion proof.
Protective Gloves: Impermeable chemical handling gloves for skin protection.
Eye Protection: Use chemical safety glasses with side shields, goggles, and faceshields.
Other Protective Equipment: Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of headcaps wherever possible is recommended.
Hygienic Practices: Eye bath and safety shower recommended.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Use non-sparking tools when handling this material. Avoid hot surfaces. Use in cool, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames. Avoid prolonged or repeated contact with the skin. Normally accepted grounding techniques are to be employed during all phases of handling and application.
Other Precautions: No Smoking in areas where this material is used. Plastic Utensils should not be used. Do not weld or flame cut on any "empty drum". Keep containers closed and upright when not in use. If the painted surface is to be welded, use a fan across the work area to prevent fumes from rising to the welder's face. Pump air into the welder's hood to provide positive air pressure to prevent fumes from getting to welder. Maintain air pressure to prevent fumes from getting to welder. Maintain good personal hygiene and plant housekeeping.

****DO NOT MIX WITH WATER OR USE WATER FOR FIRE CONTROL****

This coating may contain materials classified as nuisance particulates which may be present at hazardous levels only during sanding or abrading of the dried film.

SECTION X - OTHER INFORMATION

Section 313 Supplier Notification -This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372

CHEMICAL NAME	CAS NUMBER	WEIGHT PERCENT
Zinc Dust	7440-66-6	39.55
Xylol	1330-20-7	32.64
Ethyl Benzene	100-41-4	4.33

Schedule B # 3208.90.0000

DISCLAIMER OF LIABILITY

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