

Material Safety Data Sheet

BRITE PRODUCTS DIV. OF WELD-AID PRODUCTS, INC.

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SECTION 1-CHEMICAL PRODUCT & COMPANY IDENTIFICATION

REVISED DATE: 04/29/2010
TRADE NAME: Brite Zinc
EMERGENCY NUMBER (USA) 1-800-424-9300
INTERNATIONAL EMERGENCY: 1-703-527-3887

CODE IDENTIFICATION: B-200
PRODUCT CLASS: ORGANIC COATINGS
70% Zinc-rich Coating
HMIS RATING: H2 F3 R1 PPJ 231 J

SECTION 2 – COMPOSITION, INFORMATION & INGREDIENTS

INGREDIENT DESC	CAS NUMBER	PCT BY WT	TLV	PEL	OTHER
ZINC DUST	7440-66-6	39.5	5.0 mg/m3 ACGIH	15 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 – 2000 ppm OSHA STEL 125 ppm
SC-100 SOLVENT	64742-95-6	1.6	25 PPM ACGIH	25 PPM OSHA	LC50 3400 PPM/4H RAT LD50 >8 ml/kg ORAL
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 TWAACGIH	LC50 > 700 ppm/4H RAT LD50 > 25 ml/kg ORAL IDLH 5000 ppm

SECTION 3 – PHYSICAL DATA

BOILING POINT: 210 (deg 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 4 – FIRE AND EXPLOSION HAZARDOUS DATA

FLAMMABILITY CLASSIFICATION: PAINT, Class 3, UN 1263, PG II
FLASH POINT: 45 (DEG 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 flame, 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 5 – HEALTH HAZARD DATA

TARGET ORGANS:

Respiratory system, eyes, skin, central nervous system, upper respiratory system, liver, kidney, gastrointestinal tract, respiratory irritation.

ROUTES OF ENTRY AND ACUTE EFFECTS OF EXPOSURE:

CONTACT: Direct contact with this product may cause: dermatitis, eye irritations, skin irritations

INHALATION: If inhaled, may cause: respiratory irritation, metal fume fever, central nervous system depression, headache, and mucous membrane irritation, narcosis, central nervous system effects, euphoria, collapse, pupil dilation

INGESTION: If swallowed, may cause: intestinal tract irritation, kidney damage, liver damage, nausea, pulmonary edema, and central nervous system depression, pneumonitis, 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: dermatitis, cardiac abnormalities, liver damage, kidney damage, central nervous system effects, 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 6 – 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.
 INCOMPATIBILITY (MATERIALS TO AVOID): Acids, alkaline materials and oxidizers

SECTION 7 – STORAGE AND HANDLING 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 an "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 welder's hood to provide positive air pressure to prevent fumes from getting to welder. Maintain good personal hygiene and plant housekeeping.
 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 8 – PERSONAL PROTECTION AND CONTROLS

RESPIRATORY PROTECTION: Provide NIOSH/MSHA 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 face shields
 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 9 – SPILL, LEAK AND DISPOSAL PRACTICES

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 10 – TRANSPORTATION INFORMATION

DOT HAZARD CLASSIFICATION: UN1263, PAINT, CLASS 3, PGII
 *See 49 CFR 172.101, Hazardous Materials Table for more information on shipping hazardous materials on land. See IATA Dangerous Goods Regulations for more details on shipping hazardous materials by air.

SECTION 11 – 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	PCT BY WT
ZINC DUST	7440-66-6	39.55
ETHYL BENZENE	100-41-4	4.33
XYLOL	1330-20-7	32.64

DISCLAIMER OF LIABILITY

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