

Material Safety Data Sheet

Weld-Aid Products

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SECTION 1-CHEMICAL PRODUCT & COMPANY IDENTIFICATION

REVISED DATE: 10/01/07
TRADE NAME: BRITE ZINC
EMERGENCY NUMBER (USA) 1-800-424-9300

CODE IDENTIFICATION: FZ 100/200
PRODUCT CLASS: ORGANIC AEROSOL COATINGS
INTERNATIONAL EMERGENCY: 1-703-527-3887

SECTION 2 – COMPOSITION, INFORMATION & INGREDIENTS

INGREDIENT DESC	CAS NUMBER	PCT BY WT	TLV	PEL	OTHER
ZINC DUST	7440-66-6	34.8	5.0 mg/m3 ACGIH	15 mg/m3 OSHA	
XYLOL	1330-20-7	14.6	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	2.2	100 PPM ACGIH	100 ppm OSHA	LC50 10400 ppm MICE IDLH – 2000 ppm OSHA STEL 125 ppm
VMP NAPHTHA-66	64742-89-8	2.1	300 PPM ACGIH	300 ppm OSHA	LC50 3400 ppm/4H RAT LD50 >8 ml/kg ORAL

SECTION 3 – PHYSICAL DATA

BOILING POINT	: 211 (deg f)	% VOLATILE-VOLUME:	58.14
VAPOR DENSITY	: HEAVIER THAN AIR	% NVM-WEIGHT	: 80.84
EVAPORATION RATE	: SLOWER THAN BU AC	% NVM-VOLUME	: 41.85
WEIGHT/GALLON	: 21.52	Voc (lb/gl)	: 4.13

SECTION 4 – FIRE AND EXPLOSION HAZARDOUS DATA

FLAMMABILITY CLASSIFICATION: AEROSOLS, FLAMMABLE, N.O.S. CLASS 2.1, UN 1950, FLAMMABLE GAS LABEL
BULK FORM: PAINT, Class 3, UN 1263, PG II

FLASH POINT: 45 (DEG F) TCC LEL: .70 UEL: 22.70

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical, Water Fog.

UNUSUAL FIRE AND EXPLOSION DATA:

Do not mix with acid or caustic materials. Keep away from heat, sparks, open flame, electrical equipment, etc.

SPECIAL FIREFIGHTING PROCEDURES:

Exclude air from fire. Respiratory equipment should be worn to avoid inhalation of vapors.

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, 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, 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 – 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 8 – SAFE HANDLING AND USE INFORMATION

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 – 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 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 10 – 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 1985 and of 40 CFR 372:

CHEMICAL NAME	CAS NUMBER	PCT BY WT
ZINC DUST	7440-66-6	34.85
ETHYL BENZENE	100-41-4	2.26
XYLOL	1330-20-7	14.64

DISCLAIMER OF LIABILITY

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