

ENVIROSAFE MANUFACTURING CORP.™

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MATERIAL SAFETY DATA SHEET TROJAN BETA -Z WOOD SEALER™

SECTION I - IDENTIFICATION:

TRADE NAME: TROJAN BETA -Z WOOD SEALER

SECTION II - COMPONENT INFORMATION:

Polymerized polyester polymer and water-based acrylic emulsion

SECTION III - PHYSICAL DATA:

APPEARANCE / ODOR: Translucent / milky with a slight odor

STATE: Liquid

VAPOR PRESSURE: (AIR+1) - N/A

SOLUBILITY IN WATER: Dilutable

BOILING POINT: 100C / 212 F WATER

FREEZING POINT: 0C / 32F WATER

SPECIFIC GRAVITY (WATER=1): 1.34 @ 20C

EVAPORATION RATE - (BAC+1): SAME AS WATER

% SOLIDS BY WEIGHT: 13%

pH: 6.0

SECTION IV - FIRE & EXPLOSIVE DATA:

EXTINGUISHING AGENTS: Use extinguishing media appropriate for surrounding fire.

PERSONAL PROTECTIVE EQUIPMENT: Wear self-contained breathing apparatus. (Pressure demand MSHA / NIOSHA Approved or equivalent) and full protective gear.

SECTION V - REACTIVITY:

STABILITY: This material is considered stable at room temperature.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide

INCOMPATIBILITY: Can react with strong oxidizing agents, acids, & bases.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - SPILL OR LEAK HANDLING INFORMATION:

PERSONAL PROTECTION: Appropriate protective equipment must be worn when handling a spill of this material. See the Personal Protection Measures Section for recommendations. If exposed to material during clean-up operations, see the First Aid Procedures Section for actions to follow.

SECTION VII - STORAGE AND HANDLING INFORMATION:

STORAGE CONDITIONS - KEEP FROM FREEZING -KEEP CONTAINER CLOSED, KEEP OUT OF THE REACH OF CHILDREN.

HANDLING PROCEDURES: No special precautionary measures should be needed under anticipated conditions of use.

SECTION VIII - HAZARD INFORMATION:

HEALTH EFFECTS FROM OVEREXPOSURE

PRIMARY ROUTES OF EXPOSURE - Inhalation, Skin Contact, Eye Contact

FIRE & EXPLOSIVE PROPERTIES

FLASH POINT: 200 Deg. F

AUTO IGNITION: N/A

LOWER EXPLOSIVE LIMIT: N/A

UPPER EXPLOSIVE LIMIT: N/A

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SECTION IX - EMERGENCY FIRST AID INFORMATION:

INHALATION: Move subject to fresh air

EYE CONTACT: Flush eyes with a large amount of water for at least 15 minutes.

SKIN CONTACT: Wash affected skin areas thoroughly with soap and water.

INGESTION IF SWALLOWED: Give two (2) glasses of water to drink. **CONSULT A PHYSICIAN.**

SECTION X - ACCIDENT PREVENTATION INFORMATION:

EXPOSURE INFORMATION: PERSONAL PROTECTION MEASURES

RESPIRATORY PROTECTION: None required if airborne concentrations are maintained below the TWA/TLVs listed in the Component Exposure Information Section, wear a MSHA/NIOSHA Approved (or equivalent) half mask, air purifying respirator. Air purifying respirators should be equipped with organic vapor cartridges.

EYE PROTECTION: Use chemical splash goggles (ANSI Z87.1 OR APPROVED EQUIVALENT).

HAND PROTECTION: The gloves listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection – Neoprene.

VENTILATION: Use local exhaust ventilation with a minimum capture velocity of 100 ft/min (30m/min) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation, a manual of recommended practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use and maintenance of exhaust systems.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility.

SECTION X - ECOLOGICAL INFORMATION:

THIS ENVIRONMENTAL EFFECTS SUMMARY IS WRITTEN TO ASSIST IN ADDRESSING EMERGENCIES CREATED BY AN ACCIDENTAL SPILL WHICH MIGHT OCCUR DURING THE SHIPMENT OF THIS MATERIAL, AND IN GENERAL, IT IS NOT MEANT TO ADDRESS DISCHARGES TO SANITARY SEWERS OR PUBLICLY OWNED TREATMENT WORKS.

SUMMARY – Data for this material has been used to estimate its environmental impact. It has the following properties: A low biochemical oxygen demand and little potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to affect the germination and orderly Growth of some plants. When diluted with a large amount of water, this material released directly or indirectly into the environment is **not** expected to have a significant impact.

OXYGEN DEMAND DATA:

COD: 1.7 G OXYGEN/G

BOD - 5 AND BOD -20 Were not determined because the aqueous solubility of the test article was below that which is required for these tests.

ACUTE AQUATIC EFFECTS DATA:

96-H LC-50 (Fathead minnow, Daphid, Ramshorn Snail and Flatworm): .100MG/L

7 DAY PLANT GERMINATION EFFECTS:

No adverse effect concentration: Lettuce, radishes, ryegrass: Saturated solution

ABBREVIATIONS:

NOT APPLICABLE - N/A

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR RESULTS TO BE OBTAINED FROM THE USE THEREOF. VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSON PROXIMATELY CAUSED BY MATERIAL IF REASONABLE SAFETY PROCEDURE ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEETS. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSON PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED. FURTHERMORE, VENDEE ASSUMES THE RISK IN THE USE OF THIS MATERIAL.