

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BULLDOZER
PRODUCT CODE: 088-4G

HMIS CODES: H F R P
 2 0 1 B

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

MANUFACTURER'S NAME: ENVYSS, LLC
ADDRESS: Monroe, GA 30655
EMERGENCY PHONE: 800-535-5053
INFORMATION PHONE: 770-934-4242

NAME OF PREPARER : Alan Sumner
DATE OF PREPARATION : 7/28/1998

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP		WEIGHT PERCENT
NONYLPHENOXY POLYETHOXYETHANOL	9016-45-9	.01	20°C	
CITRUS TERPENE	68647-72-3	1	20°C	
* 2-BUTOXY ETHANOL 25 PPM SKIN TLV	111-76-2	.88	77°F	5
SODIUM METASILICATE 2 MG/M3 PEL OSHA	6834-92-0	N/A	N/A	
ALKANOATE	84501-72-4	UNKNOWN N/A		

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. **** Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING POINT: 221° F
VAPOR DENSITY: Unknown
MATERIAL V.O.C.: 0.836 lb/gl
SOLUBILITY IN WATER: Soluble
APPEARANCE AND ODOR: Citrus odor, clear, water white to light yellow liquid.

SPECIFIC GRAVITY (H2O=1): 1.04
EVAPORATION RATE: N/A

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: None to boiling
METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A
FLAME EXTENSION: NOT APPLICABLE
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER
SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH approved self-contained breathing apparatus with full facepiece and protective clothing to prevent contact with skin and eyes. Use water spray to cool fire exposed containers.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Prolonged contact with aluminum may yield a concentration of flammable hydrogen gas.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable

CONDITIONS TO AVOID: Poor ventilation.

INCOMPATIBILITY (MATERIALS TO AVOID): Aluminum, Magnesium, brass and copper.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Incomplete combustion can yield carbon monoxide and toxic vapors.

HAZARDOUS POLYMERIZATION: Will not occur.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: INHALATION OF SPRAY MIST: May cause nose and throat irritation.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: EYE CONTACT: Causes severe eye irritation. SKIN CONTACT: Exposure may cause severe skin irritation. Prolonged or repeated exposure may cause severe skin damage.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: SKIN ABSORPTION: Material can be absorbed through the skin possibly leading to damage to the blood and liver.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: INGESTION: Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may cause nausea and vomiting and may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage which can be harmful or fatal.

HEALTH HAZARDS (ACUTE AND CHRONIC): Overexposure to 2-Butoxy Ethanol can cause mild, reversible liver effects; mild, reversible kidney effects and blood abnormalities. Eye and skin irritant. Harmful if swallowed, inhaled or absorbed through the skin.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Those of the respiratory system and skin.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove victim to fresh air immediately. If coughing, difficult breathing or any other respiratory symptoms persist, seek medical attention at once.

EYE CONTACT: Immediately flush with running water for at least 15 minutes, lifting eyelids periodically to remove contamination. Get immediate medical attention.

SKIN CONTACT: Immediately flush with large quantities of water for at least 15 minutes. Remove contaminated clothing and launder before reuse. Get medical attention for irritation or any other symptom.

INGESTION: If swallowed immediately give 1 or 2 glasses of water followed by citrus juice if available. Call a physician, hospital emergency room or poison control center.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep spectators away. Dike and contain spill. Neutralize with baking soda to pH 6-10. Wet vac up or flush to sewer with water or cover with inert material (e.g. sand, earth). Transfer to covered plastic containers for recovery or disposal. Prevent contamination of sewers, streams and groundwater with spilled, unneutralized, concentrated material

WASTE DISPOSAL METHOD: The concentrated material, if intended for disposal, is a RCRA hazardous corrosive waste due to pH. Disposal of unneutralized material or its container requires compliance with applicable labeling, packaging, and recordkeeping standards. Extreme care should be taken to ensure that it is disposed of only in a facility permitted for disposal of hazardous waste. Diluted or neutralized product with a pH below 12.5 is not a hazardous waste unless contaminated.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid prolonged or repeated skin contact. Avoid contact with eyes. Use with adequate ventilation.

OTHER PRECAUTIONS: Keep out of Reach of Children.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION: Not required under normal conditions of use.

VENTILATION: General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below required levels(see Section II).

PROTECTIVE GLOVES: Wear appropriate impermeable gloves.

EYE PROTECTION: Use chemical safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash facility.

WORK/HYGIENIC PRACTICES: Wash hands after using and before smoking or eating. Avoid breathing spray mist.

===== SECTION IX - DISCLAIMER =====

The information contained herein is based on data considered to be accurate. While the information is believed to be reliable, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. It is the user's obligation to evaluate this information and determine the conditions of the safe use of the product.