

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BREAKDOWN  
PRODUCT CODE: 244BD-4G

HMIS CODES: H F R P  
1 2 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 : 4/15/1998

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

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
CITRUS TERPENE	68647-72-3	1 20°C	
NONYLPHENOXY POLYETHOXYETHANOL	9016-45-9	.01 20°C	

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

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

BOILING POINT: 500°F  
VAPOR DENSITY: Unknown  
MATERIAL V.O.C.: 6.652 lb/gl  
SOLUBILITY IN WATER: Emulsifies  
APPEARANCE AND ODOR: Citrus odor, clear, water white to light yellow liquid.

SPECIFIC GRAVITY (H<sub>2</sub>O=1): .85  
EVAPORATION RATE: Slower than n-Butyl Acetate.

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

FLASH POINT: 115 TO 122 °F  
METHOD USED: TCC  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

FLAME EXTENSION: NOT APPLICABLE

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES: Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DANGER: Rags, steel wool or waste soaked with solvent may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. COMBUSTIBLE LIQUID

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

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Poor ventilation.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Contact with strong acids or acid drain openers can cause a violent, exothermic reaction.

**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: Vapors may cause irritation of the respiratory tract.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** EYE CONTACT: Liquid, vapor or spray mist may cause eye irritation, experienced as stinging, excess blinking, tear production and redness. SKIN CONTACT: Prolonged contact may cause defatting and irritation of the skin.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** No evidence of harmful effects from available information.

**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):** See above for acute health hazards.  
CHRONIC-None known.

**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 medical attention if irritation persists. SKIN CONTACT: Wash thoroughly with soap and water and see a doctor if irritation persists. INGESTION: If ingested, do not induce vomiting, give 1 or 2 glasses of water. Keep person warm, quiet, and get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

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

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Keep spectators away. Eliminate all ignition sources (flames, hot surfaces and sources of electrical, static or frictional sparks) and ventilate area. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.

**WASTE DISPOSAL METHOD:** This material is a RCRA hazardous ignitable waste. Disposal of this 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.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Use and store only in well ventilated areas away from heat, sparks, open flame or any source of ignition. Keep container tightly closed when not in use. Use with adequate ventilation.

**OTHER PRECAUTIONS:** Avoid skin and eye contact. Do not breathe spray mist. Keep out of reach of children. Smoking in area where this material is used should not be allowed. Use on-sparking utensils when handling. Close container after each use. Do not weld, braze or cut an empty container. Empty container must not be washed and reused for any purpose. Use only with adequate ventilation or with proper respiratory protection.

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

**RESPIRATORY PROTECTION:** Not required under normal conditions of use.

**VENTILATION:** General mechanical ventilation or local exhaust.

**PROTECTIVE GLOVES:** Impermeable chemical handling gloves for skin protection.

**EYE PROTECTION:** Use chemical safety glasses.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Appropriate fire extinguishing equipment.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly after handling. 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.