

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SPARKLE
PRODUCT CODE: 211-4G

HMIS CODES: H F R P
2* 4 0 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 : 4/15/2001

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
ISOPROPANOL 400 PPM TWA 500 PPM STEL	67-63-0	96	100°F
* AMMONIUM HYDROXIDE 50 PPM PEL 25 PPM TLV	1336-21-6	420	15.5°C 7
* 2-BUTOXY ETHANOL 25 PPM SKIN TLV	111-76-2	.88	77°F 2

*** 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: 215 F
VAPOR DENSITY: Unknown

SPECIFIC GRAVITY (H2O=1): .83
EVAPORATION RATE: Near that of water

MATERIAL V.O.C.: 5.433 lb/gl
SOLUBILITY IN WATER: Soluble
APPEARANCE AND ODOR: Clear liquid. Blue color. Ammonia odor. Alcohol odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 60 TO 70F
METHOD USED: TCC FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1 UPPER: 25

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: Contact with bleach or other chlorine sources can generate explosive gasses.

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

STABILITY: Stable

CONDITIONS TO AVOID: Poor ventilation. Ignition sources such as heat, sparks, flames.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and strong oxidizing agents such as chlorine bleach.

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: May cause irritation of the nose and throat with headache, particularly from spray mist. High vapor concentrations caused, for example, by heating the material in an enclosed and poorly ventilated workplace, may produce nausea, vomiting, headache and dizziness.

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 or repeated contact may cause irritation and dermatitis.

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

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: **INGESTION:** Can cause gastrointestinal irritation, vomiting, nausea, and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC): CHRONIC-None known.

Overexposure to 2-Butoxy Ethanol can cause mild, reversible liver effects; mild, reversible kidney effects and blood abnormalities.

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. **○ NOT MIX WITH OR ALLOW CONTACT WITH BLEACH OR OTHER CHLORINE BEARING COMPOUNDS AS TOXIC GASSES MAY BE RELEASED.**

OTHER PRECAUTIONS: Avoid skin and eye contact. Do not breathe spray mist. Keep out of reach of children. Do not take internally. Close container after each use. Empty containers must not be washed and re-used for any purpose. Do not weld, braze or cut an empty container. Never use pressure to empty drums.

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

RESPIRATORY PROTECTION: Use a NIOSH approved respirator with organic vapor canister if vapor or mist becomes a problem or airborne exposure limits are exceeded. 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: Appropriate fire extinguishing equipment. Eyewash facility.

WORK/HYGIENIC PRACTICES: Do not ingest. Wash thoroughly after handling.

===== **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.