

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: AFT 200

PRODUCT NAME: Endurance Bio-Barrier for Textiles

Address: KSG Innovations, LLC

369 Washington Street

Dedham, MA 02026

PHONE: 770-778-3221 24-HOUR EMERGENCY PHONE: 770-778-3221

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT/EXPOSURE LIMITS	CAS#	% BY WT.
---------------------------	------	----------

No reportable quantities of hazardous materials.

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE: Can cause minor irritation, redness, tearing, and blurred vision. (liquid state)

SKIN: Safe for prolonged or repeated skin contact.

INGESTION: Aspiration of material into lungs if swallowed or if vomiting occurs can cause chemical pneumonitis. Can cause gastrointestinal irritation, vomiting, nausea, and diarrhea.

INHALATION: N/A

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses to ensure thorough flushing. If irritation persists call a physician.

SKIN: Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

INGESTION: If swallowed rinse mouth immediately. DO NOT induce vomiting. Get prompt medical attention.

INHALATION: N/A.

NOTE TO PHYSICIANS: Please contact your local poison control center for information regarding this product.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: N/A METHOD: S.C.C

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: N/A

UPPER FLAMMABLE LIMIT: N/A

AUTOIGNITION TEMPERATURE: Not Determined.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may form carbon dioxide, carbon monoxide, and various hydrocarbons.

EXTINGUISHING MEDIA: Foam, CO2, Dry chemical.

FIREFIGHTING INSTRUCTIONS: Use water spray to cool containers not actively involved in fire.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with inert material.

LARGE SPILL: Transfer material to separate suitable containers for recovery or disposal. Keep spills and cleaning material out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Store at temperatures between 40F and 100F.

STORAGE: Store at temperatures between 40F and 100F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION: None required

RESPIRATORY PROTECTION: Not required.

SKIN PROTECTION: Not required

EYE PROTECTION: Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 212 deg F

MELTING POINT: Not determined.

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: HEAVIER THAN AIR

SOLUBILITY IN WATER: Miscible

SPECIFIC GRAVITY: 1.17-1.29

pH: 8.0-9.0.

ODOR: Slight odor of ammonia

APPEARANCE: Viscous liquid.

COATING VOC: 0.3 lb/gal

MATERIAL VOC: 0.3 lb/gal

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): This material is considered stable.

INCOMPATIBILITY: Not established

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon dioxide carbon monoxide.

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION

None known.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No applicable data.

CHEMICAL FATE INFORMATION: No applicable data.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Local, State and Federal waste disposal regulations.

14. TRANSPORT INFORMATION:

NOT MEANT TO BE ALL INCLUSIVE

US DOT Hazard Class.....Non hazardous

15. REGULATORY INFORMATION:

NOT MEANT TO BE ALL INCLUSIVE - SELECTED REGULATIONS REPRESENTED

U.S. FEDERAL REGULATIONS: The components of this product are included on the TSCA inventory.

OSHA: Non hazardous

CERCLA: SARA HAZARD CATEGORY: Release of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

SECTION 313: * Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Not Determined.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All components of this product are on the Domestic Substances List (DSL), and acceptable for use under the provisions of CEPA.

EINECS: All the components of this product are on the European Inventory of Existing Commercial Chemical Substances.

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS: The Volatile Organic Compounds (VOCs) are below the emission limits as regulated by The Environmental Protection Agency (EPA) and state regulations.

16. OTHER INFORMATION

NAME OF PREPARER: Jim Stanley

REVISION DATE: September 3, 2008

HMIS CODES: H F R P

0 0 0 0

HMIS HAZARD RATINGS: H=HEALTH, F=FIRE, R=REACTIVITY, P=PERSONAL

SCALE: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

PERSONAL PROTECTION: See Section 8, Exposure Controls/Personal Protection for recommended handling of material as supplied; check with supervisor for your actual use condition.

HMIS is a registered trademark of the National Paint and Coatings Association.

LIST OF ACRONYMS:

ACGIH: American Conference of Government Industrial Hygienists

IARC: International Agency for Research on Cancer

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

PPM: Parts Per Million

SARA: Superfund Amendment Reauthorization Act

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

Please note that this MSDS applies to industrial handling of this material. Consumers should read product label. The information and recommendations set forth herein are believed to be accurate, The data is derived from information provided to Custom Chemical Consultants. from its raw material suppliers. Custom Chemical Consultants makes no guarantee or warranty, expressed or implied, regarding the accuracy, reliability, or completeness of the data or the results to be obtained from the use thereof. It is the responsibility of the user of the product to comply with all applicable federal, state, and local laws and regulations.