M A T E R I A L S A F E T Y D A T A S H E E T

UNIFLEX SEAM SEALER
PRODUCT NAME: UNIFLEX SEAM SEALER **HMIS CODES: H F R P**
PRODUCT CODE: 45-400 1 1 0 G

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

MANUFACTURES'S NAME: KOOL SEAL INC.
ADDRESS: 1499 ENTERPRISE PKWY
TWINSBURG, OH 44087
EMERGENCY PHONE: (800) 358-8810 **DATE PRINTED:** 04/25/00
INFORMATION PHONE: (330) 425-4717 **NAME OF PREPARER:** Paul D. Bauer

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

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	AACGIH ILV	OTHER LIMITS	PERCENT (Weight)
Butyl Benzyl Phthalate	85-68-7	5 mg/m3	5 mg/m3		
Toluene	108-88-3		50 ppm TWA	188 mg/m3 TWA	1-3%

***Note: Toluene is a SARA Title III Section 313 reportable chemical.**

DESCRIPTION: One part Controlled Flow Polyurethane Sealant **HAZARDOUS CLASSIFICATION: Non regulated**
PROPER SHIPPING NAMES: Not Applicable **SHIPPING DESCRIPTION: Not required**

========== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTIC ==========

BOILING RANGE: N/A **SPECIFIC GRAVITY** (H20=1) : 1.01
VAPOR DENSITY: N/A **EVAPORATION RATE:** (BuAc=1) : N/A
COATING V. O.C. : 0.39 lbs/gal or 47 grams/liter **NONVOLATILE (% Weight)** 97% min.
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: Color of pigment, pumpable material – slight aromatic odor..

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

FLASH POINT: 150 deg. F **METHOD USE**D : ASTM D56 (Tag Closed Cup)
FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: n/a **UPPER**: n/a
EXTINGUISHING MEDIA: CO2, Foam, Dry Chemical, Water Spray.

SPECIAL FIREFIGHTING PROCEDURES
Firefighters should wear full emergency equipment with self-contained breathing apparatus. Irritating or toxic gasses may be present during a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Overheated, closed containers adjacent to fire can cause the material inside to decompose resulting in pressure build up and possible explosion.

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

STABILITY: Stable

CONDITIONS TO AVOID
Material will start to cure in the presence of humid air or moisture.

IMCOMPATIBILITY (MATERIALS TO AVOID)
Avoid contact with alcohols, amines, strong bases and surface active materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
During a fire this material may form carbon dioxide, carbon monoxide, nitrogen oxides and traces of isocyanates.

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HAZARDOUS POLYMERIZATION: Will not occur.

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

ROUTE (S) OF ENTRY: INHALATION? Yes **SKIN?** Yes **INGESTION?** Not Likely
If ingested seek medical advice immediately..

HEALTH HAZARDS (ACUTE AND CHRONIC)
Like all urethane sealants, this product contains isocyanate resins which may cause irritation to the eyes or skin on contact. Tests have shown that no volatile isocyanates are present. Small amounts of residual toluene present may cause skin and respiratory tract irritation.

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

SIGNS AND SYMPTOMS OF EXPOSURE: Upon exposure to the skin, the skin may turn red and burn. A person sensitive to organic solvents may have shortness of breath when using this product.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE This product may be irritating to a person with known allergies.

EMERGENCY AND FIRST AID PROCEDURES
SKIN CONTACT: Wash with soap and water for 15 minutes. If irritation persists, contact a physician.
EYE CONTACT: Flush with warm water for 15 minutes and seek medical attention..
INHALATION: Move victim to fresh air. If breathing has stopped give artificial respiration. Seek immediate medical attention.
INGESTION: **DO NOT INDUCE VOMITING**! Seek immediate medical attention.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Eliminate all ignition sources. Ventilate the area. Supply clean-up personnel with appropriate clothing (respirators, gloves, etc.), clean the material with mineral spirits or a mixture of toluene/alcohol if in an uncured state (wet and pliable). If material is cured, use a solvent such as Dynasolve.

WASTE DISPOSAL METHOD
Cured or neutralized waste product can be landfilled or incinerated. Consult and follow all local, state, and federal compliance regulations before disposing of the product.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store in a clean dry place. Moisture will cause the material to cure.

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

RESPIRATORY PROTECTION
Not normally required for property ventilated areas. Respiratory protection should be considered for exposures resulting from unusual applications and/or used in non-ventilated enclosed areas. If this occurs, wear NIOSH/MSHA approved self-contained breathing apparatus or cartridge type respirator.

VENTILATION
LOCAL EXHAUST: If needed MECHANICAL: If needed SPECIAL: n/a OTHER: n/a

PROTECTIVE GLOVES - Chemical resistant, impervious

EYE PROTECTION - Safety glassses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
Use chemical apron to protect clothing if needed.

WORK / HYGIENIC PRACTICES
Always wash hands after working with this material: Use good hygiene practices.

========== SECTION IX – REGULATORY INFORMATION ==========
SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65): This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SARA TITLE III INFORMATION: Section 313 – Toxic Chemicals: Pursuant to section 313 of SARA title III, this product contains one or more toxic chemicals that are present in a concentration in excess of 1 percent the mixture (0.1 percent, if the listed toxic chemical is a carcinogen). Toluene

========== SECTION X - DISCLAIMER ==========

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself the suitability and completeness of such information for his own particular use.