Rec 9/23/86

MAMECO INTERNATIONAL, INC.
MATERIAL SAFETY DATA SHEET

REVISION DATE 11-7-85

MANUFACTURER MAMECO INTERNATIONAL; 4475 E. 175TH ST.; CLEVELAND, OH 44128 **EMER. PHONE NO.** 216-752-4400

SECTION 01 IDENTIFICATION OF PRODUCT

TRADE NAME & SYNONYMS Vulkem 45 **MSDS/PRODUCT NUMBER** 605211000

PRODUCT CLASS Polyurethane Sealant

SECTION 02 HAZARDOUS COMPONENTS OF MIXTURES

COMPONENTS	PERCENT	THRESHOLD LIMIT VALUE	COMPONENTS	PERCENT	THRESHOLD LIMIT VALUE
Aromatic Petroleum Solvent	10%	50 ppm			
Aromatic Isocyanates	<0.5%	0.02 ppm			

SECTION 03 PHYSICAL DATA

BOILING RANGE N/A

VAPOR DENSITY Heavier than Air

WEIGHT PER GALLON 10.0 Lbs./Gal.

PERCENT VOLATILE 15% by Volume

EVAPORATION RATE Slower than Ether

SECTION 04 FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Combustible Liquid

FLASH POINT 155°F.

FIRE EXTINGUISHING MEDIA Waterspray, waterfog, dry chemical CO_2, foam

SPECIAL FIRE FIGHTING PROCEDURE Wear goggles, self contained breathing apparatus, and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS Toxic gases may occur as decomposition products. Reaction with water produces carbon dioxide which could cause pressure to build up in a closed container.

SECTION 05 HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section 2 for Components.

EFFECTS OF OVER EXPOSURE Causes slight eye and skin irritation. Pulmonary sensitization can occur in some individuals leading to asthma type spasms.

EMERGENCY FIRST AID PROCEDURE Avoid skin contact. If on skin: thoroughly wash exposed area with soap and water. If in eyes: flush with large amounts of water. Get medical attention. If swallowed: Do not induce vomiting. Get medical attention. If vapors are inhaled: remove to fresh air. If necessary, administer oxygen and/or artificial respiration. Get medical attention.

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SECTION 06 REACTIVITY DATA

STABILITY: **STABLE** X **UNSTABLE** **CONDITIONS TO AVOID** See Section 9

INCOMPATABILITY Water, alcohol, strong oxidizing agents, strong acids, strong bases.

HAZARDOUS DECOMPOSITION Nitrogen oxides, hydrogen cyanide, carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION Will not occur.

SECTION 07 SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Absorb into vermiculite or other absorbent material and dispose. Clean affected area with solvent followed by soap and water.

WASTE DISPOSAL METHOD Incinerate or landfill in accordance with local, state, and federal environmental regulations.

SECTION 08 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Use with adequate ventilation. Respirators with organic vapor cartridges or self contained breathing apparatus may be used in confined areas.

VENTILATION Local exhaust or general mechanical sufficient to prevent accumulation of fumes.

PROTECTION GLOVES Wear resistant gloves such as BUNA-N, plastic, or rubber.

EYE PROTECTION Goggles.

OTHER PROTECTIVE EQUIPMENT Protective clothing to prevent skin contact.

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SECTION 09 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING Protect containers from physical damage. Keep container closed when not in use. For safety, store at temperature not exceeding 180°F. away from sparks or flame. For maximum storage life store at less than 90°F. Do not breathe vapors. Avoid skin and eye contact. Do not take internally.

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