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Material Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: ABOWELD 8101-5

DATE PREPARED: 09/21/2000

PRODUCT CODE: 8101-5 A

PRODUCT DESCRIPTION: EPOXY RESIN

SECTION 2: HAZARDOUS INGREDIENTS

TRADE SECRET: PROPRIETARY EPOXY PREPOLYMER

SECTION 3: PHYSICAL DATA

BOILING POINT: >350° F

SOLUBILITY IN WATER: INSOLUBLE

VAPOR PRESSURE: CA. 1 @ 180° C

SPECIFIC GRAVITY: 1.1

VAPOR DENSITY (AIR=1): N/A

% VOLATILE BY VOL:<0.1

APPEARANCE: TRANSLUCENT VASELINE-LIKE FLUID; ALMOST NO ODOR.

SECTION 4: FIRE AND EXPLOSION DATA

FLASH POINT: 490° F

FLAMMABLE LIMITS (STP IN AIR)

METHOD USED: ASTM 92-96, TOC

LFL: NOT DETER.

UFL: NOT DETER

RECOMMENDED EXTINGUISHING MEDIA: FOAM OR CO₂, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES AND HAZARDS: NONE

SECTION 5: HUMAN HEALTH HAZARD DATA:

INGESTION: LOW SINGLE ORAL TOXICITY: LD50 (RAT): > 2000 MG/KG.

EYE CONTACT: MINOR TRANSIENT IRRITATION. NO CORNEAL INJURY LIKELY.

SKIN CONTACT: ONLY MINOR IRRITATION. MAY BE A SKIN SENSITIZER.

SKIN ABSORPTION: NOT LIKELY TO BE ABSORBED IN TOXIC AMOUNTS.

INHALATION: NOT LIKELY AT ROOM TEMPERATURE. VAPORS FROM HEATED MATERIAL MAY BE IRRITATING.

EFFECT OF OVEREXPOSURE: NONE KNOWN.

SECTION 6: FIRST AID

EYE: FOR EYE CONTACT, IMMEDIATELY FLUSH EYES FOR AT LEAST 10 MINUTES WITH RUNNING WATER. HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE EYE SURFACE AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

SKIN: FOR SKIN CONTACT, WASH WITH LARGE AMOUNTS OF WATER, AND SOAP, IF AVAILABLE, FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES.

INHALATION: IF INHALED, REMOVE FROM AREA TO FRESH AIR. OBTAIN MEDICAL ATTENTION.

INGESTION: MAY BE TOXIC. INDUCE VOMITING IF LARGE AMOUNTS ARE INGESTED.

NOTE TO PHYSICIAN:

EYES: INJURY IS UNLIKELY. STAIN FOR EVIDENCE OF CORNEAL INJURY. CONSULT OPHTHALMOLOGIST.

SKIN: MAY CAUSE IRRITATION. TREAT AS ANY CONTACT DERMATITIS. KNOWN OR SUSPECTED SENSITIZER. NOT LIKELY TO BE ABSORBED IN ACUTELY TOXIC AMOUNTS.

RESPIRATORY: INJURY IS UNLIKELY.

ORAL: LOW IN TOXICITY.

SYSTEMIC: HUMAN EFFECTS NOT ESTABLISHED. NO SPECIFIC ANTIDOTE. TREATMENT BASED ON THE SOUND JUDGMENT OF THE PHYSICIAN AND THE INDIVIDUAL REACTION OF THE PATIENT.

SECTION 7: STABILITY AND REACTIVITY

STABILITY: STABLE UNDER NORMAL CONDITIONS OF USE. PROLONGED EXCESSIVE HEAT MAY CAUSE PARTIAL DEGRADATION.

INCOMPATIBILITY CONDITION: ACTIVE ACIDS AND BASES.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR BY ITSELF, BUT MASSES OF MORE THAN 1-3 LBS OF PRODUCT PLUS ACIDS OR BASES MAY CAUSE IRREVERSIBLE REACTION WITH CONSIDERABLE HEAT BUILDUP.

SECTION 8: SPILL, LEAK AND DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS: MOP, WIPE, OR SOAK IN ABSORBENT MATERIALS, USING PROPER FIRE PROTECTIVE EQUIPMENT. RESIDUAL RESIN CAN BE REMOVED BY USE OF NON-FLAMMBLE SOLVENT.

DISPOSAL METHOD: BURY IN APPROPRIATE LANDFILL. (OPTIONAL) BURN COMBUSTIBLE PORTION IN ADEQUATE INCINERATOR.

SECTION 9: PERSONAL PROTECTION

VENTILATION: SUFFICIENT TO MINIMIZE VAPOR EXPOSURE IF GENERATED.

RESPIRATORY PROTECTION: NOT LIKELY NEEDED.

PROTECTIVE CLOTHING: CLEAN BODY-COVERING CLOTHING, DISPOSABLE PLASTIC OR RUBBER GLOVES.

EYES PROTECTION: SAFETY GLASSES.

SECTION 10: SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: NONE EXCEPT NORMAL HANDLING CARE. PRACTICE GOOD CAUTION AND PERSONAL CLEANLINESS TO AVOID EYES AND SKIN CONTACT. AVOID BREATHING VAPORS IF GENERATED.

SECTION 11: TRANSPORT INFORMATION

DOT (USA) STATUS: NOT REGULATED

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.