

SECTION I - MANUFACTURERS INFORMATION

PRODUCT CODE IDENTITY: 255C005 PRODUCT NAME: EPOXY REDUCER
AMF : COOK PAINT AND VARNISH COMPANY DATE OF MSDS: 11/19/85
DE SS: P.O. BOX 389
KANSAS CITY, MISSOURI 64141 EMERGENCY TELEPHONE: 816-391-6000
INFORMATION TELEPHONE: 816-391-6003

ATTN: SAFETY AND HEALTH OFFICER
BOONE PAINTS INC* DANIEL
103 NELSEN PLACE
RENTON WA 98055

CUSTOMER NUMBER: 531723
DATE PRINTED: 12/31/85

SECTION II - HAZARDOUS INGREDIENTS

JTYL ALCOHOL

CAS #: 71-36-3 PERCENT: 40.000 VAPOR PRESSURE: 4.0
EXPOSURE LIMIT:
ACGIH TLV/TWA: 50 PPM (150 MG/CU.M.) SKIN, CEILING
OSHA PEL: 100 PPM (300 MG/CU.M.)

TOLUENE

CAS #: 108-88-3 PERCENT: 60.000 VAPOR PRESSURE: 22.0
EXPOSURE LIMIT:
ACGIH TLV/TWA: 100 PPM (375 MG/CU.M.)
ACGIH TLV/STEL: 150 PPM (560 MG/CU.M.)
NONE ASSIGNED: OSHA: 500 PPM PEAK
OSHA PEL: 200 PPM (750 MG/CU.M.)
OSHA PEL/CEILING: 300 PPM (1120 MG/CU.M.)

SECTION III - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE TO PRODUCT. PRIMARY ROUTES OF ENTRY ARE:

EYE CONTACT: LIQUID AND VAPOR CAN BE IRRITATING TO EYES. SYMPTOMS ARE TEARING, REDNESS AND DISCOMFORT.

SKIN CONTACT: CAN CAUSE IRRITATION. CAN CAUSE DEFATTING OF SKIN WHICH CAN LEAD TO DERMATITIS.

INHALATION: ANESTHETIC. OVEREXPOSURE CAN CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. CONTINUED OVEREXPOSURE CAN LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS IF SEVERE OVEREXPOSURE IS CONTINUED: HEADACHE, DIZZINESS, NAUSEA AND LOSS OF CONSCIOUSNESS.

REPORTS HAVE ASSOCIATED REPEATED OR PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

INGESTION: SWALLOWING CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

EMERGENCY AND FIRST AID PROCEDURES:

IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION; FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CONTAMINATED CLOTHING. THOROUGHLY CLEAN CONTAMINATED SHOES. IF AFFECTED BY INHALATION OF VAPORS OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE PNEUMONITIS WHICH CAN BE FATAL.

PRODUCT CODE IDENTITY: 255C005

PRODUCT NAME: EPOXY REDUCER

SECTION IV - PHYSICAL DATA

BOILING POINT, DEG.F. 231

VAPOR DENSITY IS HEAVIER THAN AIR

EIGHT PER GALLON: 7.06

EVAPORATION RATE IS SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME: 100.000

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA 29 CFR-1910.106 PARTS 11-18

FLASH POINT SETA CLOSED CUP, DEG F: 40

FLAMMABLE LIQUID CLASS IB

NFPA HAZARD CLASS: RED-LABEL, FLAMMABLE LIQUID

LEL: 1.00

EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS MAY CAUSE FLASH FIRE. KEEP CONTAINERS TIGHTLY CLOSED AND ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

IF APPLIED IN CONFINED AREAS AND TANKS, USE ONLY EXPLOSION-PROOF AND PROPERLY GROUNDED EQUIPMENT, SPARK-PROOF TOOLS AND SPARK-PROOF SHOES.

SPECIAL FIRE FIGHTING PROCEDURES:

FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT

SECTION VI - REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION: NONE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID: ELEVATED TEMPERATURES.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG ACIDS AND STRONG OXIDIZING AGENTS. IF THIS PRODUCT IS NOT WATER REDUCIBLE, AVOID WATER.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION CAN PRODUCE FUMES CONTAINING ORGANIC ACIDS, CARBON DIOXIDE AND CARBON MONOXIDE.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

BEST DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN APPROVED FACILITY.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

AVOID BREATHING VAPORS OR SPRAY MIST. WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING APPLICATION AND OTHER USE OF THIS PRODUCT. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. OBSERVE OSHA STANDARD 29CFR 1910.134.