MATERIAL SAFETY DATA SHEET

SCM CORPORATION
EN COATINGS & RESINS DIVISION
JCLID AVENUE
CLEVELAND, OHIO 44115
EMERGENCY TELEPHONE NO. (216) 826-5566

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5568

SECTION I

CODE IDENTIFICATION 5568 DATE PRINTED 04/17/86
PRODUCT IDENTIFICATION EPOX SOLVENT CLEAR

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	WEIGHT PERCENT	THRESHOLD LIMIT VALUE		LEL	VAPOR PRESS.
METHYL ETHYL KETONE CAS NO. - 78-93-3	59		200 PPM	1.8	70.00
BUTYL ALCOHOL CAS NO. - 71-36-3	20	SKIN C	50 PPM	1.4	4.00
TOLUENE CAS NO. - 108-88-3	21		100 PPM	1.2	28.00

SKIN - DENOTES THAT ADDITIONAL EXPOSURE, OVER AND ABOVE AIRBORNEEXPOSURE, MAY RESULT FROM SKIN ABSORPTION.
C-CEILING - THE CONCENTRATION THAT SHOULD NOT BE EXCEEDED EVEN INSTANTANEOUSLY.
THE THRESHOLD LIMIT VALUE (TLV) IS THE TIME WEIGHTED AVERAGE (TWA) TO WHICH IT IS BELIEVED THAT MOST WORKERS MAY BE EXPOSED 8-10 HOURS PER DAY, 40 HOURS PER WEEK WITHOUT ADVERSE HEALTH EFFECTS.
LEL - THE LOWER EXPLOSIVE LIMIT IS THE LOWEST CONCENTRATION (% OF VOLATILES IN AIR) THAT WILL PRODUCE A FLASH OF FIRE WHEN AN IGNITION SOURCE IS PRESENT.

SECTION III - PHYSICAL DATA

BOILING RANGE 172 - 243 F WEIGHT PER GALLON 6.82
% VOLATILE BY VOLUME 100.00

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (SETA) 22 F LOWER EXPLOSIVE LIMIT 1.2

DOT (PSN) PAINT RELATED MATERIAL

HAZARD CLASS FLAMMABLE LIQUID

EXTINGUISHING MEDIA

DRY CHEMICAL OR FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE.
VAPORS MAY IGNITE EXPLOSIVELY AT AMBIENT TEMPERATURES.
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK.
MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

SPECIAL FIRE FIGHTING PROCEDURES

WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.

SECTION V - HEALTH HAZARD DATA

ROUTE OF ENTRY
INHALATION
SKIN
EYES
INGESTION

EFFECTS OF OVEREXPOSURE

IRRITATION OF EYES, SKIN, RESPIRATORY TRACT. PROLONGED INHALATION MAY LEAD TO MUCOUS MEMBRANE IRRITATION, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, MENTAL APATHY, INTOXICATION. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING, MUCOUS MEMBRANE IRRITATION, BLURRED VISION, TEARING OF EYES. POSSIBLE VOMITING, DIARRHEA, CENTRAL NERVOUS SYSTEM DEPRESSION, ANESTHETIC EFFECT OR NARCOSIS, DIFFICULTY OF BREATHING, BLOOD ABNORMALITIES, CORNEAL INJURY, SEVERE LUNG IRRITATION OR DAMAGE, LIVER DAMAGE, KIDNEY DAMAGE, UNCONSCIOUSNESS, ASPHYXIATION.

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SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

CONTACT WITH CONTAMINATED CLOTHING MAY CAUSE SKIN BURNS.
READILY ABSORBED THROUGH SKIN.
NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND 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.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION
MOVE PERSON TO WELL VENTILATED AREA.
GET EMERGENCY MEDICAL ATTENTION.
ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION IF NECESSARY.

SKIN CONTACT
FLUSH FROM SKIN WITH WATER, THEN WASH THOROUGHLY WITH SOAP AND WATER.
REMOVE CONTAMINATED CLOTHING.
WASH CONTAMINATED CLOTHING BEFORE RE-USE.
DISPOSE OF CONTAMINATED LEATHER ITEMS, SUCH AS SHOES AND BELTS.

EYE CONTACT
FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET EMERGENCY MEDICAL ATTENTION.

INGESTION
GET EMERGENCY MEDICAL ATTENTION.

SECTION VI - REACTIVITY DATA

STABILITY
STABLE

INCOMPATIBILITY
OXIDIZERS
ACIDS
BASES
ALDEHYDES
ISOCYANATES
AMINES

CONDITIONS TO AVOID

ELEVATED TEMPERATURES
CONTACT WITH OXIDIZING AGENT

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SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE
CARBON DIOXIDE

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL SOURCES OF IGNITION.
VENTILATE AREA WITH EXPLOSION-PROOF EQUIPMENT.
SMALL SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS.
USE NON-SPARKING TOOLS.
EVACUATE ALL UNNECESSARY PERSONNEL.
LARGE SPILLS - OBSERVE STEPS FOR SMALL SPILLS. SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGE MATERIAL AND RINSE WATER OUT OF SEWERS OR WATER COURSES. COMPLY WITH ALL APPLICABLE REGULATIONS FOR HEALTH AND POLLUTION CONTROL.

WASTE DISPOSAL

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
AVOID DISCHARGE TO NATURAL WATERS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE STANDARDS. WHERE RESPIRATORY PROTECTION IS REQUIRED, USE ONLY NIOSH/MSHA APPROVED RESPIRATORS IN ACCORDANCE WITH OSHA STANDARD 29 CFR 1910.134.

VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS.
USE EXPLOSION-PROOF EQUIPMENT.
USE NON-SPARKING EQUIPMENT.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT

EYE WASH
SAFETY SHOWER
SAFETY GLASSES OR GOGGLES
IMPERVIOUS GLOVES
IMPERVIOUS CLOTHING

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE

STORE BELOW 80 F.
KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.
CONTACT WITH COPPER SHOULD BE AVOIDED.

.R PRECAUTIONS

USE ONLY WITH ADEQUATE VENTILATION.
DO NOT TAKE INTERNALLY.
KEEP OUT OF REACH OF CHILDREN.
AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS.
WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING.
KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.
EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.