

REPLICATOR 532 B

ALTERNATIVE TO OSHA-20 FORM

Distributed By:
ITW Imtran
39 Shelley Road
Haverhill, MA 01835
Information: (978) 372-9817

Emergency Information:
Chemtrec: (800) 424-9300

SECTION I - PRODUCT IDENTIFICATION

TRADE NAME AND SYNONYMS: REPLICATOR 532 B [OR REPLICATOR 532 PART B]
 CHEMICAL FAMILY: POLYETHER POLYOL SOLUTION
 FORMULA: PROPRIETARY COMPLEX MIXTURE * TRADE SECRET

SECTION II - INGREDIENTS

NOTE: SEE FINAL PAGE OF MSDS FOR DEFINITIONS OF ABBREVIATIONS AND SYMBOLS.

THIS MATERIAL DATA SHEET IS PREPARED TO COMPLY WITH UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) AND THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS). UNLISTED INGREDIENTS ARE BELOW SPECIFIED REPORTING LEVELS AND/OR ARE NOT HAZARDOUS PER THE OSHA STANDARD AND/OR ARE NOT FOUND ON THE WHMIS INGREDIENT DISCLOSURE LIST.

AROMATIC PETROLEUM HYDROCARBON CAS# 64742-95-6 7% TLV UNITS 50 PPM
 (VAPOR PRESSURE <10 mmHg @ 25 DEGREES C.)

PROPRIETARY MIXTURE * TRADE SECRET

C.A.S. NO.S AVAILABLE ON ALL INGREDIENTS ON AN EMERGENCY BASIS.

THE MIXTURE CONTAINS NO KNOWN CARCINOGENS.

SECTION III - PHYSICAL DATA

BOILING POINT: >300 DEGREES F.
 VAPOR PRESSURE: <10 mmHg @ 25 DEGREES C.
 VAPOR DENSITY: (AIR=1) N.E.
 SPECIFIC GRAVITY: (WATER =1) 1.6
 SOLUBILITY IN WATER: 15-25%
 PERCENT VOLATILE BY VOLUME: 5-10%
 EVAPORATION RATE: <BUTYL ACETATE = 1 > <1
 APPEARANCE AND ODOR: BLUE LIQUID, SLIGHT AROMATIC ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >300 DEGREES F. COC
 FLAMMABLE LIMITS: N.E.
 EXTINGUISHING MEDIA: USE TYPE ABC EXTINGUISHER
 SPECIAL FIRE-FIGHTING PROCEDURE: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN ADDITION TO NORMAL PROTECTIVE TURNOUT CLOTHING.

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N.E.; 50 PPM RECOMMENDED ON MIXTURE

EFFECTS OF ACUTE EXPOSURE:

EYES - MAY CAUSE TEARING

SKIN - MINOR IRRITATION MAY OCCUR

INGESTION - N.E.

INHALATION - N.E.

EFFECTS OF CHRONIC EXPOSURE: NONE KNOWN

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES; CONTACT PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER.

INGESTION: DO NOT INDUCE VOMITING, GIVE ONE GLASS OF WATER OR MILK; CONTACT PHYSICIAN IMMEDIATELY.

INHALATION: REMOVE FROM CONTAMINATED AREA; ADMINISTER OXYGEN.

IF ANY IRRITATION OR OTHER SYMPTOMS PERSIST, SEE A PHYSICIAN.

SECTION VI - CHEMICAL REACTIVITY

STABILITY: STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID: AVOID TEMPERATURES ABOVE 120 DEGREES F.

INCOMPATIBILITY (MATERIALS TO AVOID): N.E.

HAZARDOUS DECOMPOSITION PRODUCTS: SMOKE, FUMES, CARBON MONOXIDE

HAZARDOUS POLYMERIZATION: NONE KNOWN

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN: ABSORB ON ABSORBENT MATERIAL.

WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT DISCHARGE INTO PUBLIC WATERWAYS OR SEWERS.

SECTION VIII - SPECIAL PROTECTION AND PROCEDURES

RESPIRATORY PROTECTION: USE NIOSH APPROVED EQUIPMENT IF AIRBORNE EXPOSURE IS EXCESSIVE.

VENTILATION: FACE VELOCITY - 60 FPM; USE ONLY WITH ADEQUATE VENTILATION.

PROTECTIVE EQUIPMENT: CHEMICAL RESISTANT PROTECTIVE GLOVES; FOR EYE AND FACE PROTECTION A FACE SHIELD IS RECOMMENDED. A CHEMICAL RESISTANT APRON AND OTHER PROTECTIVE GEAR MAY BE USED AS NEEDED TO REDUCE CHANCES OF CONTACT.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: USE GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES EMPLOYED WITH ANY INDUSTRIAL CHEMICAL.

WORKPLACE: PRACTICE GOOD HOUSEKEEPING, CLEAN UP SPILLS PROMPTLY.

PERSONAL HYGIENE: WASH THOROUGHLY WITH SOAP AND WATER BEFORE EATING, AFTER EACH SHIFT, OR AFTER ANY POSSIBLE CONTACT WITH PRODUCT. LAUNDRY WORK CLOTHES FREQUENTLY.

NPCA HMIS RATING: HEALTH 2; FLAMMABILITY 1; REACTIVITY 0; PERSONAL PROTECTION F.

DUST RESPIRATORS ARE ONLY NECESSARY WHEN PERFORMING OPERATIONS SUCH AS GRINDING, MACHINING, OR POLISHING THE CAST PRODUCT.

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SECTION X - TRANSPORTATION INFORMATION

DOT HAZARD CLASS: NON-REGULATED
IMO / IMDG HAZARD CLASS: NON-REGULATED
ICAO / IATA HAZARD CLASS: NON-REGULATED

SECTION XI - REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): ALL INGREDIENTS ARE ON THE TSCA CHEMICAL SUBSTANCE INVENTORY

CERCLA AND SARA REGULATIONS (40 CFR 355, 370, & 372): SECTION 313 SUPPLIER NOTIFICATION. THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372: NONE

SARA HAZARD CATEGORY: THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED UNDER APPLICABLE CONDITIONS, TO MEET THE FOLLOWING CATEGORIES: AN IMMEDIATE HEALTH HAZARD

WHMIS INFORMATION: THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASSIFICATION FOR THIS PRODUCT IS UNDETERMINED.

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SYMBOLS AND ABBREVIATIONS

- N.A.: NOT APPLICABLE
 - N.E.: NOT ESTABLISHED
 - >: GREATER THAN
 - <: LESS THAN
 - C.A.S. NO.: CHEMICAL ABSTRACT SERVICE NUMBER
 - TLV: THRESHOLD LIMIT VALUE (UNITS)
 - PPM: PARTS PER MILLION
 - mmHg: MILLIMETERS OF MERCURY
 - FPM: FEET PER MINUTE
 - NIOSH: NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
 - NPCA: NATIONAL PAINT & COATINGS ASSOCIATION
 - HMIS: HAZARDOUS MATERIAL IDENTIFICATION SYSTEM
 - COC: CLEVELAND OPEN CUP
- REVISION DATE: 04/02/05 REVIEWED BY: J. L. WILSON