

DEVELOPS, GET MEDICAL ATTENTION.

INHALATION: REMOVE PATIENT TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN, ADMINISTERED BY A QUALIFIED INDIVIDUAL ONLY. CALL A PHYSICIAN IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

NOTE TO PHYSICIANS: NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE, TREATMENT BASE JUDGEMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT:

>205F/>96C SETA FLASH CLOSED CUP.

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: 0.6

UPPER FLAMMABLE LIMIT: 20.4

AUTOIGNITION TEMPERATURE: 381F/194C

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG OR SPRAY, AS APPROPRIATE FOR SURROUNDING FIRE.

FIREFIGHTING INSTRUCTIONS: DO NOT ENTER ANY ENCLOSED OR CONFINED SPACE WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND MSHA/NIOSH APPROVED OR EQUIVALENT) TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCY.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: VACUUM OR MOP UP MATERIAL IMMEDIATELY AND PLACE IN AN APPROVED CONTAINER FOR DISPOSAL.

LARGE SPILL: DIKE AND ABSORB WITH INERT MATERIAL SUCH AS SAND AND REMOVE ALL LIQUID WITH THE USE OF A VACUUM SYSTEM. IF UNABLE TO REMOVE AS A LIQUID, THEN BEGIN TO ABSORB WITH SAND, SAW DUST OR COMMERCIAL ABSORBANT, AND SCOOP UP AND PLACE IN CONTAINERS FOR PROPER DISPOSAL. KEEP SPILLS AND CLEANING RUNOFF OUT OF THE MUNICIPAL SEWERS AND OPEN BODIES OF WATER. DECONTAMINATE ALL CLOTHING AND THE SPILL AREA WITH A DETERGENT AND LARGE AMOUNTS OF WATER.

7. HANDLING AND STORAGE

HANDLING: CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE & VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR OR SPRAY MIST. USE ONLY IN A WELL VENTILATED AREA. KEEP OUT OF THE REACH OF CHILDREN.

STORAGE: KEEP FROM FREEZING. KEEP CONTAINER COOL AND DRY. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. KEEP PRODUCT CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: USE LOCAL EXHAUST VENTILATION WITH A MINIMUM CAPTURE VELOCITY OF 100 FT/MIN. (.05 M.SEC.) AT THE POINT OF VAPOR EVOLUTION. REFER TO THE CURRENT EDITION OF INDUSTRIAL VENTILATION: A MANUAL OF RECOMMENDED PRACTICE PUBLISHED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS FOR INFORMATION ON THE DESIGN, INSTALLATION, USE, AND MAINTENANCE OF EXHAUST SYSTEMS.

RESPIRATORY PROTECTION: WEAR A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR THE VAPOR OR MIST CONCENTRATION AT THE POINT OF USE. APPROPRIATE RESPIRATORS MAY BE A FULL FACEPIECE OR A HALF MASK AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS/MISTS, A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE, OR A SUPPLIED-AIR RESPIRATOR. REFER TO OSHA STANDARD 29 CFR 1910.134 FOR ADDITIONAL INFORMATION.

SKIN PROTECTION: THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION. NOTE THAT PVA DEGRADES IN WATER.

EYE PROTECTION: CHEMICAL GOGGLES. IF SPLASHING MAY OCCUR OR DURING SPRAY OPERATIONS WEAR A FACE SHIELD, UNLESS A FULL FACE PIECE RESPIRATOR IS USED. DO NOT WEAR CONTACT LENSES AS THEY MAY CONTRIBUTE TO THE SEVERITY OF INJURY TO THE EYE FROM CONTACT WITH LIQUID AND SPRAY MIST.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 212F/100C	COATING V.O.C.: 1.31 lb/gl
MELTING POINT: N/A	MATERIAL V.O.C.: 0.29 lb/gl
VAPOR PRESSURE: 17mm Hg @ 20C/68F Water	COATING V.O.C.: 157 g/l
VAPOR DENSITY: LIGHTER THAN AIR	MATERIAL V.O.C.34 g/l
SOLUBILITY IN WATER: SOLUBLE; DILUTABLE	
SPECIFIC GRAVITY: 1.0184	
PH: N/A	
ODOR: AMMONIA ODOR	
APPEARANCE: HIGHLY THIXOTROPIC LIQUID. VARIOUS COLORS AND TEXTURES.	

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): STABLE

INCOMPATIBILITY: AVOID STRONG OXIDIZING AGENTS SUCH AS LIQUID CHLORINE,

CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE OR CALCIUM HYPOCHLORITE.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD ACRYLIC MONOMER, CARBON MONOXIDE AND CARBON DIOXIDE. UNIDENTIFIED ORGANIC COMPOUNDS IN FUMES AND SMOKE MAY BE FORMED DURING COMBUSTION.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

EYE: INCONSEQUENTIAL IRRITATION

SKIN: SKIN IRRITATION- RABBIT: PRACTICALLY NON-IRRITATING. DERMAL LD50- RABBIT: >5000 mg/kg.

**INGESTION: INFORMATION IS BASED ON THE TOXICITY PROFILES FOR A NUMBER OF ACRYLIC EMULSIONS THAT ARE COMPOSITIONALLY SIMILAR TO THIS PRODUCT TYPICAL DATA ARE:
PRACTICALLY NON-IRRITATING**

INHALATION: NO DATA

SUBCHRONIC: INHALATION OF VAPOR OR MIST CAN CAUSE THE FOLLOWING: - IRRITATION OF NOSE, THROAT, AND LUNGS, HEADACHE, NAUSEA. EYE CONTACT WITH MATERIAL CAN CAUSE THE FOLLOWING: -SLIGHT IRRITATION. PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE THE FOLLOWING: -SLIGHT SKIN IRRITATION.

CHRONIC/CARCINOGENICITY: OBSERVATIONS IN ANIMALS INCLUDE MINOR LIVER EFFECTS AND NASAL IRRITATION.

TERATOLOGY: BIRTH DEFECTS ARE UNLIKELY. EXPOSURES HAVING NO ADVERSE EFFECTS ON THE MOTHER SHOULD HAVE NO EFFECTS ON THE FETUS.

REPRODUCTION: NO DATA.

MUTAGENICITY: IN VITRO MUTAGENICITY STUDIES WERE NEGATIVE.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: MATERIAL IS PRACTICALLY NON-TOXIC TO AQUATIC ORGANISMS ON AN ACUTE BASIS (LC50 GREATER THAN 100MG/L IN MOST SENSITIVE SPECIES). ACUTE LC50 FOR GUPPY (POECILIA RECTICULATA) IS 841MG/L. ACUTE LC50 FOR WATER FLEA (DAPHNIA MAGNA) IS GREATER THAN 1000MG/L.

CHEMICAL FATE INFORMATION: NO DATA.

13. DISPOSAL CONSIDERATIONS

COAGULATE THE EMULSION BY THE STEPWISE ADDITION OF FERRIC CHLORIDE AND LIME REMOVE THE CLEAR SUPERNATANT AND FLUSH TO A CHEMICAL SEWER. INCINERATE

LIQUID AND CONTAMINATED SOLIDS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

14. TRANSPORT INFORMATION(NOT MEANT TO BE ALL INCLUSIVE)

DOT INFORMATION - 49 CFR 172.101

DOT DESCRIPTION: NOT REGULATED

15. REGULATORY INFORMATION(NOT MEANT TO BE ALL INCLUSIVE - SELECTED REGULATIONS)

U.S. FEDERAL REGULATIONS:

STATUS OF SUBSTANCE LISTS: THE CONCENTRATIONS SHOWN IN SECTION II ARE MAXIMUM FOR CEILING LEVELS (WEIGHT %) TO BE USED FOR CALCULATIONS FOR REGULATIONS.

FEDERAL EPA: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA) REQUIRES NOTIFICATION OF THE NATIONAL RESPONSE CENTER OF RELEASE OF QUANTITIES OF HAZARDOUS SUBSTANCES EQUAL TO OR GREATER THAN THE REPORTABLE QUANTITIES (RQs) IN 40 CFR 302.4.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:
NONE KNOWN.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III.

REQUIRES EMERGENCY PLANNING BASED ON THRESHOLD PLANNING QUANTITIES (TPQs) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQs) IN 40 CFR 355 (USED FOR SARA 302, 304, 311 AND 312).

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:
NONE KNOWN.

REQUIRES SUBMISSION OF ANNUAL REPORTS OF RELEASE OF TOXIC CHEMICALS THAT APPEAR IN 40 CFR 372 (FOR SARA 313). THIS INFORMATION MUST BE INCLUDED IN ALL MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:
SEE SECT II.

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

THE COMPONENTS OF THIS PRODUCT ARE LISTED OR ARE EXCLUDED FROM LISTING ON THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

THE REMAINING PERCENTAGE OF UNSPECIFIED INGREDIENTS, IF ANY, ARE NOT CONTAINED IN ABOVE de minimis CONCENTRATIONS AND/OR ARE BELIEVED TO BE NON-HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200),

AND MAY CONSIST OF PIGMENTS, FILLERS, DEFOAMERS, WETTING AGENTS, ANTI-BACTERIAL AGENTS, RESINS, DRYERS, WATER AND/OR SOLVENTS IN VARYING CONCENTRATIONS.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: THIS MATERIAL DOES NOT CONTAIN LISTED COMPONENTS IN QUANTITIES GREATER THAN THE SPECIFIED WEIGHT-TO-WEIGHT CONCENTRATION.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): NONE KNOWN

EINECS: NO INFORMATION.

STATE REGULATIONS:

**CALIFORNIA PROPOSITION 65:
NONE KNOWN.**

16. OTHER INFORMATION

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