

M A T E R I A L S A F E T Y D A T A S H E E T

GUARDIAN AIR & MOISTURE BARRIER

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HMIS CODES: H F R
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SECTION I - MANUFACTURER IDENTIFICATION
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MANUFACTURER'S NAME: UNITED COATING MANUFACTURING CO
ADDRESS : 19011 EAST CATALDO ROAD
GREENACRES, WASHINGTON 99016-9423
INITIAL (FIRST CALL) CHEMTREC (800) 424-9300
EMERGENCY PHONE : BACK-UP (800) 541-4383 DATE PRINTED : 11/25/02
DATE REVISED : NOV 2002
INFORMATION PHONE : (509) 926-7143

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SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION
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REPORTABLE COMPONENTS	CAS NUMBER	MM	HG @ TEMP	WEIGHT PERCENT
ACRYLIC POLYMER		MIXTURE	17 68F/20C	46
AMMONIA, CAS #7664-41-7, < 0.20% MAXIMUM, OSHA STEL-35PPM, ACGIH TWA-25PPM, STEL-35PPM. MANUFACTURER'S SUGGESTED GUIDELINES, TWA-25PPM, STEL-35PPM.				
CALCIUM CARBONATE	471-34-1		N/A N/A	41
OSHA PEL-15MG/M3, TOTAL DUST, 5MG/M3, RESPIRABLE DUST. ACGIH TLV-10 MG/M3, TOTAL DUST CONTAINING NO ASBESTOS AND <1% FREE SILICA. IF SILICA LEVELS ABOVE 1.0% ARE PRESENT, THE TLV VALUE IS 0.1 MG OF RESPIRABLE SILICA PER CU. METER FOR BOTH OSHA PEL AND ACGIH TLV.				
WATER	7732-18-5		NO DATANO DATA	11
NO OEL'S ESTABLISHED.				

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

THIS MSDS MAY BE USED FOR OTHER COLORS AND CONTAINER SIZES OF THIS PRODUCT.

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SECTION III HAZARDS IDENTIFICATION
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POTENTIAL HEALTH EFFECTS

EYES:
CONTACT WITH VAPOR AND/OR SPRAY MIST MAY RESULT IN IRRITATION, CONTACT WITH LIQUID MAY RESULT IN SEVERE IRRITATION

SKIN:
PROLONGED EXPOSURE MAY CAUSE SLIGHT SKIN IRRITATION. A SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS.

INGESTION:
NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

INHALATION:
VAPOR OR SPRAY MIST CAN CAUSE HEADACHE, NAUSEA, IRRITATION OF THE NOSE, THROAT & RESPIRATORY TRACT.

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SECTION IV FIRST AID MEASURES
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EYES:
EYES: IMMEDIATELY FLUSH WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. IF REDNESS, ITCHING, OR A BURNING SENSATION DEVELOPS SEE A PHYSICIAN.

SKIN:
IMMEDIATELY WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION:
INGESTION: DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT A PHYSICIAN IMMEDIATELY

INHALATION:
REMOVE FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

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NOTE TO PHYSICIAN:

NONE FOR THIS MATERIAL.

=====**SECTION V FIRE FIGHTING MEASURES**=====

FLAMMABLE PROPERTIES:

FLASH POINT:

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

LOWER FLAMMABLE LIMITS:

N/A

UPPER FLAMMABLE LIMIT:

N/A

AUTO IGNITION TEMPERATURE:

NOT AVAILABLE

EXTINGUISHING MEDIA:

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

SPECIAL FIRE FIGHTING PROCEDURES:

DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE 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.

=====**SECTION VI ACCIDENTAL RELEASE MEASURES**=====

SMALL SPILL:

WEAR SKIN, EYE & RESPIRATORY PROTECTION DURING CLEAN-UP. EVACUATE AREA OF ALL NON-ESSENTIAL PERSONNEL, DIKE, AND CONTAIN AND/OR ABSORB WITH INERT MATERIAL (SAND, EARTH OR OTHER SUITABLE NON-COMBUSTIBLE MATERIAL) TO PREVENT ENTRY INTO STORMDRAINS, SEWERS AND OTHER UNAUTHORIZED TREATMENT/DRAINAGE SYSTEMS AND NATURAL WATERWAYS. SCOOP UP AND PLACE IN APPROVED CONTAINERS FOR PROPER DISPOSAL. COVER WITH LID. IF SPILL OCCURS NEAR AIR INLETS OR INSIDE, TURN OFF HEATING OR AIR-CONDITIONING EQUIPMENT TO PREVENT CONTAMINATING BUILDING.

LARGE SPILL:

USE SAME PROCEDURE AS SMALL SPILL.

=====**SECTION VII HANDLING AND STORAGE**=====

HANDLING & 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.

OTHER PRECAUTIONS:

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.

=====**SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION**=====

ENGINEERING CONTROLS/PERSONAL PROTECTION:

IF CURRENT VENTILATION PRACTICES DURING MIXING AND APPLICATION OPERATIONS ARE NOT ADEQUATE TO MINIMIZE EXPOSURE, USE LOCAL EXHAUST VENTILATION CAPABLE OF MAINTAINING EMISSIONS AT THE POINT OF USE BELOW THE PEL OR TLV OR OTHER EXPOSURE GUIDELINES, AS APPROPRIATE. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS. MECHANICAL EXHAUST VENTILATION, WITH VOLUME AND PATTERN CAPABLE OF MAINTAINING A FRESH AIR SUPPLY, MAY BE NECESSARY IN CONFINED SPACES. REFER TO OSHA STANDARD 29 CFR 1910.94 AND/OR ACGIH INDUSTRIAL VENTILATION FOR GUIDANCE ABOUT ADEQUATE VENTILATION. TURN OFF HEATING AND/OR AIR CONDITIONING EQUIPMENT TO PREVENT CONTAMINATING BUILDING.

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.

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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 EXPOSURE TO LIQUID AND/OR VAPORS AND SPRAY MIST.

===== SECTION IX PHYSICAL AND CHEMICAL PROPERTIES=====

BOILING RANGE: 212F/100C	SPECIFIC GRAVITY (H2O=1): 1.38
VAPOR DENSITY: LIGHTER THAN AIR	EVAPORATION RATE:
COATING V.O.C.: .11 lb/gl	COATING V.O.C.: 14 g/l
MATERIAL V.O.C.: .06 lb/gl	MATERIAL V.O.C.: 8 g/l
SOLUBILITY IN WATER: SOLUBLE.	

APPEARANCE:

PIGMENTED, VISCOUS.

ODOR:

FAINT AMMONIACAL ODOR.

===== SECTION X STABILITY & REACTIVITY DATA=====

STABILITY:

STABLE

CONDITIONS TO AVOID

INCOMPATIBILITY (MATERIALS TO AVOID)

N/A.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

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.

===== SECTION XI TOXICOLOGICAL INFORMATION=====

EYE:

NO DATA.

SKIN:

NO DATA.

INGESTION:

NO DATA.

INHALATION:

NO DATA.

SUBCHRONIC:

HEADACHE, NAUSEA, ABDOMINAL PAIN AND IRRITATION OF THE NOSE, THROAT AND LUNGS. SKIN AND EYE IRRITATION.

CHRONIC/CARCINOGENICITY:

THIS PRODUCT CONTAINS SMALL AMOUNTS OF VINYL ACETATE MONOMER. ACGIH EVALUATED VINYL ACETATE (1993) AS AN A3-ANIMAL CARCINOGEN: ...AVAILABLE EVIDENCE SUGGESTS THAT THE AGENT IS NOT LIKELY TO CAUSE CANCER IN HUMANS EXCEPT UNDER UNCOMMON OR UNLIKELY ROUTES OF EXPOSURE. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) PUBLISHED A MONOGRAPH ON VINYL ACETATE (1995). IN THIS MONOGRAPH IARC INDICATES "THERE IS INADEQUATE EVIDENCE IN HUMANS FOR CARCINOGENICITY OF VINYL ACETATE. THERE IS LIMITED EVIDENCE IN EXPERIMENTAL ANIMALS FOR CARCINOGENICITY OF VINYL ACETATE." NORMALLY, THIS LACK OF CONCLUSIVE EVIDENCE WOULD PLACE A SUBSTANCE IN THE IARC CATEGORY 3 CLASSIFICATION (NOT CLASSIFIED AS A HUMAN CARCINOGEN). HOWEVER, BECAUSE VINYL ACETATE IS METABOLIZED TO ACETALDEHYDE, WHICH HAS AN IARC 2B (POSSIBLY CARCINOGENIC TO HUMANS) CLASSIFICATION, IT ALSO HAS BEEN LISTED UNDER CATEGORY 2B.

TERATOLOGY:

NO DATA.

REPRODUCTION:

NO DATA.

MUTAGENICITY:

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NO DATA.

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=====**SECTION XII ECOLOGICAL INFORMATION**=====

ECOTOXICOLOGICAL INFORMATION:

NO DATA.

CHEMICAL FATE INFORMATION:

NO DATA.

=====**SECTION XIII DISPOSAL CONSIDERATIONS:**=====

INSTRUCTIONS:

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.

=====**SECTION XIV TRANSPORT INFORMATION**=====

SHIPPING INFORMATION:

DOT INFORMATION - 49 CFR 172.101

DOT DESCRIPTION: NOT REGULATED

=====**SECTION XV REGULATORY INFORMATION**=====

(NOT MEANT TO BE ALL INCLUSIVE-SELECTED REGULATIONS REPRESENTED)

US REGULATIONS:

STATUS OF SUBSTANCES LISTS:

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

FEDERAL EPA: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & 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 (RQ'S) IN 40 CFR 302.4.

COMPONENTS PRESENT 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 THE THRESHOLD QUANTITIES (TPQ'S)
AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQ'S) IN 40 CFR 355
(USED FOR SARA 302, 304, 311, AND 312)

COMPONENTS PRESENT 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 MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

COMPONENTS THAT COULD REQUIRE REPORTING UNDER THE STATUTE: SEE SECTION II
THE COMPONENTS OF THIS PRODUCT ARE LISTED OR EXCLUDED FROM LISTING ON THE

US TOXIC SUBSTANCE 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, RESINS, DRYERS,

ANTI-BACTERIAL AGENTS, WATER AND/OR SOLVENTS IN VARYING CONCENTRATIONS.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

THIS PRODUCT IS NOT LISTED IN ANY DIVISION, CLASS, OR SUBDIVISION.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

NONE KNOWN

EINECS:

NO INFORMATION.

STATE REGULATIONS:

CALIFORNIA:

CALIFORNIA PROPOSITION 65: THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY
THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986. THIS
PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) KNOWN TO THE STATE OF CALIFORNIA

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A: CAUSE CANCER:

NONE KNOWN

B: CAUSE REPRODUCTIVE HARM:

NONE KNOWN

PENNSYLVANIA:

NONE KNOWN

NEW JERSEY:

NONE KNOWN

OTHER:

NONE KNOWN

=====**SECTION XVI OTHER INFORMATION**=====

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. USERS SHOULD CONSIDER THESE DATA ONLY AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM & DETERMINE THE SUITABILITY & COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE & DISPOSAL OF THESE MATERIALS & THE SAFETY & HEALTH OF EMPLOYEES & CUSTOMERS.