

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

GUARDIAN JOINT SEALANT
PRODUCT NAME: GUARDIAN JOINT SEALANT
PRODUCT CODE: GU-JOINT-02 & GU-JOINT-05

HMIS CODES: H F R P
2 0 0 I

===== SECTION 1 - MANUFACTURER IDENTIFICATION =====

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 : 4/15/03
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INFORMATION PHONE : (509) 926-7143

===== SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	MM	HG @ TEMP	WEIGHT PERCENT
ACRYLIC POLYMER		MIXTURE	17 68F-20C	54
AQUA AMMONIA CAS#1336-21-6, .1%MAX. OSHA STEL 35PPM AS AMMONIA, ACGIH TWA 2 5PPM AS AMMONIA, STEL 35PPM AS AMMONIA. NO OTHER EXPOSURE LIMITS HAVE BEEN ESTABLISHED.				
CALCIUM CARBONATE	471-34-1	N/A	N/A	26
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	5
NO OEL'S ESTABLISHED.				
CALCIUM CARBONATE	1317-65-3	N/A	N/A	4
OSHA PEL - 15 MG/M3 TOTAL DUST, 5 MG/M3 RESPIRABLE DUST. ACGIH TLV - 10 MG/M3 TOTAL DUST CONTAINING NO ASBESTOS & <1.0% 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.				
ISOBUTANE(ENCAPSULATED IN POLYMER)	75-28-5	N/A	N/A	4
CALCIUM CARBONATE WITH CRYSTALLINE SILICA<0.1% TLV IS 3MG/M3.				
TITANIUM DIOXIDE	13463-67-7	N/A	N/A	2
TITANIUM DIOXIDE, 86-97%, CAS#13463-67-7, ACGIH TLV-10MG/M3, TOTAL DUST TWA, OSHA PEL-15MG/M3, TOTAL DUST, 8 HR TWA, AEL(ACCEPTABLE EXPOSURE LIMIT) OF 10MG/M3, TOTAL DUST 8 HR TWA, 5MG/M3 RESPIRABLE DUST 8 HR TWA. (AEL IS THE EXPOSURE LIMIT RECOMMENDED BY THE MANUFACTURER OF THIS CHEMICAL). ALUMINUM HYDROXIDE, CAS#21645-51-2, 1-5%, NO EXPOSURE LIMITS ESTABLISHED.				
PETROLEUM DERIVATIVES		MIXTURE	<0.0168F/20C	2
SOLVENT REFINED HEAVY PARAFFINIC DISTILLATE; CAS# 64741-88-4, OSHA/ACGIH TW A: 5MG/M3(AS OIL MIST), ACGIH STEL: 10MG/M3(AS OIL MIST). SOLVENT REFINED / DEWAXED HEAVY PARAFFINIC DISTILLATE; CAS# 6472-65-0, OSHA/ACGIH TWA: 5MG/M3 (AS OIL MIST), ACGIH STEL: 10MG/M3(AS OIL MIST). THE SUM OF THE TWO COMPONE NTS 80-90%.				

*** 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 3 HAZARDS IDENTIFICATION**=====

POTENTIAL HEALTH EFFECTS

EYES:

CONTACT MAY RESULT IN IRRITATION

SKIN:

SUBSTANCE MAY CAUSE SLIGHT SKIN IRRITATION

INGESTION:

SINGLE DOSE ORAL TOXICITY IS LOW. MAY CAUSE IRRITATION.

INHALATION:

VAPOR OR SPRAY MIST CAN CAUSE HEADACHE, NAUSEA AND IRRITATION OF THE NOSE, THROAT AND LUNGS.

=====**SECTION 4 FIRST AID MEASURES**=====

EYES:

IMMEDIATELY FLUSH EYES WITH CLEAN, LUKEWARM WATER FOR 15 MINUTES WHILE LIFTING EYELIDS. REFER TO PHYSICIAN OR OPHTHALMOLOGIST FOR IMMEDIATE FOLLOW-UP.

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:

IF SWALLOWED, DO NOT INDUCE VOMITING. DILUTE WITH WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT A PHYSICIAN.

INHALATION:

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

NOTE TO PHYSICIAN:

NONE FOR THIS MATERIAL.

=====**SECTION 5 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:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND, NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. CONTAIN RUN-OFF. REMAIN UPWIND. USE WATER SPRAY TO COOL CONTAINERS EXPOSED TO FIRE.

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=====SECTION 6 ACCIDENTAL RELEASE MEASURES=====

SMALL 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.

LARGE SPILL:

USE SAME PROCEDURE AS SMALL SPILL.

=====SECTION 7 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 OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

=====SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION=====

ENGINEERING CONTROLS/PERSONAL PROTECTION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE DURING MIXING AND APPLICATION OPERATIONS TO MINIMIZE EXPOSURE, SPRAY OR ROLL WITH WIND OR FAN CARRYING VAPORS AWAY FROM YOU. TURN OFF HEATING AND/OR AIR CONDITIONING EQUIPMENT TO PREVENT CONTAMINATING BUILDING.

RESPIRATORY PROTECTION:

FOLLOW OSHA REGULATION 29 CFR 1910.134 FOR RESPIRATOR USE. WHERE OVERSPRAY IS PRESENT, OR IF CONCENTRATION OF PRODUCT IS NOT KNOWN OR ARE ABOVE THE EXPOSURE GUIDELINES. WHEN COMFORT LEVELS MAY BE EXCEEDED, USE AN APPROVED AIR-PURIFYING RESPIRATOR EQUIPPED WITH AN AMMONIA/METHYLAMINE CARTRIDGE(S).

SKIN PROTECTION:

CHEMICAL RESISTANT GLOVES DETERMINED TO BE IMPERVIOUS UNDER THE CONDITIONS OF USE.

EYE PROTECTION:

CHEMICAL GOGGLES, 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. EYE PROTECTION WORN MUST BE COMPATIBLE WITH RESPIRATORY PROTECTION SYSTEM EMPLOYED.

===== SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES=====

BOILING RANGE: 212F/100C - 2500-3000C	SPECIFIC GRAVITY (H2O=1): .9701
VAPOR DENSITY: LIGHTER THAN AIR	EVAPORATION RATE:
COATING V.O.C.: 0.08 lb/g1	COATING V.O.C.: 10 g/1

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MATERIAL V.O.C.: 0.06 lb/g1

MATERIAL V.O.C.: 7 g/1

SOLUBILITY IN WATER: SOLUBLE; DILUTABLE

APPEARANCE: WHITE LIQUID.

ODOR: ACRYLIC ODOR.

=====**SECTION 10 STABILITY & REACTIVITY DATA**=====

STABILITY: STABLE

CONDITIONS TO AVOID

INCOMPATIBILITY (MATERIALS TO AVOID)NONE KNOWN.

HAZARDOUS DECOMPOSITION OR BYPRODUCTSTHERMAL 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 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:

IT IS POSSIBLE TO BREATHE VAPORS EMANATING FROM THIS MATERIAL UNDER CERTAIN CONDITIONS OF HANDLING AND USE. BREATHING SMALL AMOUNTS OF VAPOR DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE AMOUNTS MAY BE HARMFUL. SYMPTOMS USUALLY OCCUR AT AIR CONCENTRATIONS HIGHER THEN THE RECOMMENDED EXPOSURE LIMITS.

SUBCHRONIC:

EYE AND SKIN IRRITATION.

CHRONIC/CARCINOGENICITY:

NO DATA.

TERATOLOGY:

NO DATA.

REPRODUCTION:

NO DATA.

MUTAGENICITY:

NO DATA.

=====**SECTION 12 ECOLOGICAL INFORMATION**=====

ECOTOXICOLOGICAL INFORMATION: NO DATA AVAILABLE

CHEMICAL FATE INFORMATION: NO DATA.

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SECTION 13 DISPOSAL CONSIDERATIONS:=====

INSTRUCTIONS: WHATEVER CANNOT BE SAVED FOR REUSE SHOULD BE MANAGED IN AN APPROPRIATE AND APPROVED WASTE DISPOSAL FACILITY. CONSULT APPROPRIATE NATIONAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

=====SECTION 14 TRANSPORT INFORMATION=====

SHIPPING INFORMATION:

DOT INFORMATION - 49 CFR 172.101
DOT DESCRIPTION: NOT REGULATED

=====SECTION 15 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:

DOES NOT CLASSIFY AS HAZARDOUS.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

NONE KNOWN

EINECS:

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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

A: CAUSE CANCER:

NONE KNOWN

B: CAUSE REPRODUCTIVE HARM:

NONE KNOWN

PENNSYLVANIA:

NONE KNOWN

NEW JERSEY:

NONE KNOWN

OTHER:

NONE KNOWN

=====SECTION 16 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.