

MATERIAL SAFETY DATA SHEET

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M64S0FW ; M64SALM ; M64SBRZ ; M64SGRY ; M64T
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I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: POLYURETHANE CONSTRUCTION SEALANT
HMIS Ratings:
NFPA Ratings:

Other: EMERGENCY OVERVIEW
VARIOUS COLORED PASTES. CAN CAUSE HEADACHES, IRRITATION, NAUSEA, DROWSINESS, STUPOR, COUGHING SPELL AND ALLERGIC RESPIRATORY SENSITIZATION. LEAVE AREA TO BREATHE FRESH AIR. SHOULD BE OBSERVED BY PHYSICIAN IMMEDIATELY IF OVEREXPOSURE IS SEVERE.

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
AROMATIC POLYISOCYANATE RESIN	TRADE SECRET	35.0 – 45.0					
Notes							
CALCIUM CARBONATE (LIMESTONE)	1317-65-3	15.0 – 40.0	10 MG/M ³ TOTAL DUST, NO ASBESTOS,	15 MG/M ³ TOTAL DUST.; 5 MG/M ³ RESPIRABLE FRACTION			
Notes							
PLASTICIZER	TRADE SECRET	10.0 – 30.0					
Notes							
TITANIUM DIOXIDE	13463-67-7	0.0 – 5.0	10 MG/M ³ TOTAL DUST, NO ASBESTOS,	10 MG/M ³			
Notes							
AROMATIC PETROLEUM DISTILLATES	64742-95-6	1.0 – 5.0					
Notes							
KAOLIN (CLAY)	1332-58-7	1.0 – 5.0	2 MG/M ³ TOTAL DUST, NO ASBESTOS,	10 MG/M ³ TOTAL DUST.; 2 MG/M ³ RESPIRABLE FRACTION			
Notes							
1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)	95-63-6	1.0 – 3.0					
Notes							
DIPHENYLMETHANE DIISOCYANATE	26447-40-5	0.1 – 0.8	0.005 PPM	CEIL 0.020 PPM			
Notes							
4,4'-METHYLENE BIS(PHENYLISOCYANATE)	101-68-8	0.1 – 1.5	0.005 PPM	CEIL 0.020 PPM			

Notes							
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	0.1 – 0.5	0.10 MG/M ³ RESPIRABLE DUST	10 MG/M ³ RESPIRABLE DUST			
Notes							
IRON OXIDE	1309-37-1	0.0 – 3.0	5 MG/M ³ FUME AS Fe	10 MG/M ³ DUST, FUME AS Fe			
Notes							
CARBON BLACK	1333-86-4	0.0 – 1.0	3.5 MG/M ³	3.5 MG/M ³			
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: MAY CAUSE EYE IRRITATION, INCLUDING STINGING, TEARING, REDNESS, AND SWELLING.

Skin: MAY CAUSE DRYING, CRACKING, IRRITATION, AND BURNS.

Ingestion: MAY CAUSE GASTROINTESTINAL IRRITATION. ASPIRATION DURING SWALLOWING OR VOMITING MAY CAUSE LUNG DAMAGE AND CAN BE FATAL. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL AND CAUSE CNS EFFECTS DESCRIBED ABOVE INCLUDING DEATH.

Inhalation: CAN CAUSE HEADACHE, IRRITATION, NAUSEA, DROWSINESS, STUPOR, COUGHING SPELL AND ALLERGIC RESPIRATORY SENSITIZATION.

Signs and Symptoms of Exposure: CHRONIC HEALTH EFFECTS: PROLONGED OR REPEATED CONTACT/EXPOSURE TO AROMATIC PETROLEUM DISTILLATES MAY CAUSE DEFATTING, DRYING, AND IRRITATION OF THE SKIN, DERMATITIS, AND CENTRAL NERVOUS SYSTEM (CNS) EFFECTS DESCRIBED ABOVE. DIPHENYLMETHANE DIISOCYANATE(METHYLENE BISPHENYL ISOCYANATE) CAUSED AN INCREASED INCIDENCE OF LUNG TUMORS IN EXPERIMENTAL ANIMALS FOLLOWING LONG TERM INHALATION AT CONCENTRATION IN EXCESS OF 100 TIMES THE EXPOSURE LIMIT. OVEREXPOSURE TO ISOCYANATE CAN CAUSE A DECREASE IN LUNG FUNCTION. SKIN AND RESPIRATORY SENSITIZATION IS POSSIBLE. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVER EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS MAY BE HARMFUL OR FATAL. FILLERS ARE ENCAPSULATED AND NOT EXPECTED TO BE RELEASED FROM PRODUCT UNDER NORMAL CONDITIONS OF USE.

IV. FIRST AID MEASURES

Eyes: FLUSH IMMEDIATELY WITH RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER LIDS OCCASSIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

Skin: CLEAN AREA OF CONTACT THOROUGHLY USING SOAP AND WATER. IF IRRITATION, RASH OR OTHER DISORDERS DEVELOP, GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation: LEAVE AREA TO BREATHE FRESH AIR. AVOID FURTHER OVEREXPOSURE. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION IMMEDIATELY.

V. FIRE FIGHTING MEASURES

Flash Point:	195°F
Test Method:	SETAFLASH
Lower Flammability Limit:	NOT ESTABLISHED
Upper Flammability Limit:	NOT ESTABLISHED
Extinguishing Agents:	WATER FOG
Unusual Fire or Explosion Hazards:	NOT APPLICABLE
Fire Fighting Procedures:	DURING A FIRE, PERSONNEL AT THE SCENE ARE TO PREVENT EXPOSURE TO FUMES USING ACCEPTED FIRE FIGHTING TECHNIQUES.
Other:	OTHER PRECAUTIONS: HYDROCYANIC ACID, OXIDES OF NITROGEN CAN FORM.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	RELEASE RESPONSE OVERVIEW: ABSORB SPILL IN SAND, EARTH OR OTHER SUITABLE MATERIAL. TRANSFER TO APPROPRIATE CONTAINER FOR DISPOSAL.
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VII. HANDLING AND STORAGE

Other:	STORE UNDER NORMAL WAREHOUSE CONDITIONS. PREVENT INHALATION OF VAPOR, INGESTION, AND CONTACT WITH SKIN AND EYES. KEEP CONTAINER CLOSED WHEN NOT IN USE. PRECAUTIONS ALSO APPLY TO EMPTIED CONTAINERS. VAPOR MAY MIGRATE TO SOURCES OF IGNITION. DO NOT SMOKE, WELD, GENERATE SPARKS, OR USE FLAME NEAR CONTAINER. CHANGE SOILED WORK CLOTHES FREQUENTLY. CLEAN HANDS THOROUGHLY AFTER HANDLING. PRECAUTIONS ALSO APPLY TO EMPTIED CONTAINERS. PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN DURING MAINTENANCE OR REPAIR OF CONTAMINATED MIXER, REACTOR, OR OTHER EQUIPMENT.
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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	WEAR SUITABLE SAFETY EYEWEAR.
Skin:	PROTECT HANDS WITH IMPERVIOUS RUBBER GLOVES AND WEAR TYPICAL FULL COVER CLOTHING. PREVENT CONTACT WITH SKIN.
Respiratory:	WEAR APPROPRIATE, PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATOR, AS DIRECTED BY THE MANUFACTURER, WHEN THE AIRBORNE CONTAMINANT LEVEL(S) EXCEED THE EXPOSURE LIMITS INDICATED.
Engineering:	USE LOCAL EXHAUST WHEN THE GENERAL VENTILATION IS NOT SUFFICIENT TO KEEP THE AIRBORNE CONTAMINANT CONCENTRATION BELOW THE EXPOSURE LIMIT.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	VARIOUS COLORED PASTE
Boiling Point:	NOT AVAILABLE
Freezing Point:	NOT AVAILABLE
pH:	NOT AVAILABLE
Solubility in Water:	NEGLIGIBLE

Specific Gravity: 1.285
Vapor Pressure: NOT AVAILABLE
Vapor Density: >1
Physical State: PASTE

Volatile Content: 33 g/L VOLATILE ORGANIC CONTENT (VOC). % VOC (CARB CONSUMER PRODUCT METHOD 310) <4%.

X. STABILITY AND REACTIVITY

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR.

Incompatible Products: AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

XI. TOXICOLOGICAL INFORMATION

XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: NOT AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: WASTE NOT REGULATED UNDER RCRA. DISPOSE OF WASTE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

RCRA Class: NOT AVAILABLE

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: NOT REGULATED

XV. REGULATORY INFORMATION

TSCA Status: ON THE TSCA INVENTORY

EPA Sara Title III Chemical Listings: SARA 311 RATINGS:

IMMEDIATE HEALTH HAZARD: YES

DELAYED HEALTH HAZARD: YES

FIRE HAZARD: NO

REACTIVITY HAZARD: NO

SUDDEN RELEASE OF PRESSURE HAZARD: NO

SARA 313 INGREDIENTS

Chemical 1,2,4 – TRIMETHYL BENZENE (PSEUDOCUMENE) CAS NUMBER 95–63–6

Chemical DIPHENYLMETHANE DIISOCYANATE CAS NUMBER 26447–40–5

Chemical 4,4'-METHYLENE BIS(PHENYL ISOCYANATE) CAS NUMBER 101–68–8

California:

PROPOSITION 65 INGREDIENTS:

WARNING! CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND/OR OTHER REPRODUCTIVE HARM.

Chemical CRYSTALLINE SILICA (QUARTZ) CAS NUMBER 14808–60–7

Chemical AROMATIC PETROLEUM DISTILLATES CAS NUMBER 64742–95–6

XVI. OTHER INFORMATION

Other: FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION OF THE USER, SUBJECT TO HIS OWN INVESTIGATION OF

COMPLIANCE WITH APPLICABLE REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE CONDITION.

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.