



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5
TEL# (905) 456-9444

EMERGENCY # CANUTEC (613) 996-6666
"USE IN CASE OF CHEMICAL EMERGENCY ONLY"

W.H.M.I.S. CLASSIFICATION: B2, D2B

MATERIAL REFERENCE NO: 284000

SECTION I - MATERIAL IDENTIFICATION AND USE

| | |
|-----------------------------------|----------------------------------|
| MATERIAL NAME/I.D.: TERRAZZO SEAL | |
| CHEMICAL NAME: NOT APPLICABLE | CHEMICAL FAMILY: SOLVENT BLEND |
| CHEMICAL FORMULA: MIXTURE | MOLECULAR WEIGHT: NOT APPLICABLE |
| SYNONYMS: NONE | |
| MATERIAL USE: SEALANT | |

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

| HAZARDOUS INGREDIENTS | APPROX. % CONCENT. | TLV PPM | C.A.S. NUMBERS | LD 50 ORAL, RAT |
|----------------------------|-------------------------|--------------|---------------------|----------------------|
| XYLENE | 60.0-100.0 | 100 | 1330-02-7 | 4300 MG/KG |
| TOLUENE | 10.0-30.0 | 100 | 108-88-3 | 2600 MG/KG |
| | | | | |
| | | | | |
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| | | | | |
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SECTION III - PHYSICAL DATA FOR MATERIAL

| | |
|--|----------------------|
| PHYSICAL STATE: LIQUID | |
| ODOUR AND APPEARANCE: CLEAR, COLOURLESS LIQUID; SOLVENT ODOUR. | |
| ODOUR THRESHOLD (PPM) | SPECIFIC GRAVITY |
| NOT AVAILABLE | 0.890 |
| VAPOUR PRESSURE (MM Hg) | |
| APPROX. 6.5 | |
| VAPOUR DENSITY (AIR=1) | EVAPORATION RATE |
| >1 | (BUTYL ACETATE=1) >1 |
| SOLUBILITY IN WATER | |
| (20°C) NEGLIGIBLE | |
| BOILING POINT (C) | FREEZING POINT (C) |
| MIN. 110 | NOT AVAILABLE |
| % VOLATILE (BY WEIGHT) | |
| >85 | |
| pH (10% SOLUTION) | DENSITY (G/ML) |
| NOT APPLICABLE | NOT APPLICABLE |
| COEF.OF WATER/OIL DISTR | |
| NOT AVAILABLE | |



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

| | | | |
|--|-----------------------|-----------------------|--|
| FLAMMABILITY: FLAMMABLE | | | |
| IF YES, UNDER WHICH CONDITIONS: SPARKS, OPEN FLAME. | | | |
| MEANS OF EXTINCTION: DRY CHEMICAL, CO2, ALCOHOL FOAM, WATER SPRAY. | | | |
| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF- | | | |
| CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS TO | | | |
| PREVENTS PRESSURE BUILD UP. | | | |
| VAPOURS ARE HEAVIER THAN AIR AND MAY TRAVEL TO AN IGNITION SOURCE | | | |
| AND FLASH BACK. | | | |
| FLASH POINT (C) AND METHOD: MINIMUM 6 (C) TCC | | | |
| HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, | | | |
| VARIOUS HYDROCARBONS, FUMES, SMOKE, TOXIC GASES. | | | |
| | | | |
| UPPER EXPLOSION LIMIT | LOWER EXPLOSION LIMIT | AUTOIGNITION TEMP (C) | |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | |
| EXPLOSION DATA SENSITIVITY | RATE OF BURNING | EXPLOSIVE POWER | |
| TO CHEMICAL IMPACT | | | |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | |
| SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE | | | |

SECTION V - REACTIVITY DATA

| | | | |
|--|--|--|--|
| CHEMICAL STABILITY: STABLE | | | |
| IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES | | | |
| INCOMPATIBILITY TO OTHER SUBSTANCES: YES | | | |
| IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, STRONG ALKALIES, STRONG | | | |
| MINERAL ACIDS. | | | |
| REACTIVITY AND UNDER WHAT CONDITIONS: SLIGHTLY EXPLOSIVE IN PRESENCE | | | |
| OF OXIDIZING MATERIALS. | | | |
| HAZARDOUS POLYMERIZATION WILL NOT OCCUR. | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS: UNDEFINED ORGANICS. | | | |

SECTION VI - HEALTH HAZARD DATA

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|-------------------|----------------------|------------------|--|
| ROUTE OF ENTRY: | | | |
| SKIN CONTACT: YES | SKIN ABSORPTION: YES | EYE CONTACT: YES | |
| INHALATION: YES | INGESTION: YES | | |



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-CONTACT MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
SKIN-CONTACT MAY CAUSE DRYING OF SKIN, CRACKING WITH IRRITATION.
INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT, COUGHING, DIZZINESS, NAUSEA, HEADACHE.
INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.
MATERIAL IS TOXIC TO BLOOD, KIDNEYS, LIVER AND THE CENTRAL NERVOUS SYSTEM.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
SKIN-PROLONGED OR REPEATED CONTACT CAN CAUSE SEVERE IRRITATION, DEFATTING, DERMATITIS.
INHALATION-EXCESSIVE INHALATION OF VAPOURS MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

| LD 50 OF MATL. | LC 50 OF MATL. | EXPOSURE LIMIT(S) | IRRITANCY OF MATL |
|----------------|----------------|-------------------|-------------------|
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | TOXIC |

| SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |
|---------------------------|-----------------------|
| NOT AVAILABLE | NOT AVAILABLE |

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE KNOWN.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: POLYVINYL ALCOHOL, VITON
RESPIRATORY: NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IF VENTILATION IS INSUFFICIENT TO MAINTAIN TLV BELOW ACCEPTABLE LEVELS.
EYE: FACE SHIELD OR SAFETY GOGGLES
FOOTWEAR: IMPERMEABLE
CLOTHING: IMPERMEABLE
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL OR MECHANICAL AS NEEDED TO CONTROL FUMES.

LEAK AND SPILL PROCEDURE: STOP LEAKS AND CONTAIN SPILL. PUMP SPILLED MATERIAL INTO METAL DRUMS FOR DISPOSAL OR RECLAIM. REMOVE REMAINING MATERIAL BY ABSORBING ON SAWDUST OR VERMICULITE AND PLACE IN METAL CONTAINERS. THEN THOROUGHLY WET VACUUM AREA OF SPILL. IF AREA IS POROUS REMOVE AS MUCH CONTAMINATED SOIL AS POSSIBLE INTO CONTAINERS.

WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES
EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE.
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE. LAUNDRY CLOTHING BEFORE REUSE.
INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN GIVE OXYGEN. GET MEDICAL ATTENTION.
INGESTION-DO NOT INDUCE VOMITING. ASPIRATION OF MATERIAL INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS. GET IMMEDIATE MEDICAL ATTENTION.

SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

| SHIPPING NAME | CLASS | UN NO. | PG |
|---|---------|--------|----|
| FLAMMABLE LIQUIDS, TOXIC N.O.S. (XYLENE) | 3 (6.1) | 1992 | II |

HANDLING PROCEDURES AND EQUIPMENT: REMOVE IGNITION SOURCES. AVOID CONTACT WITH EYES SKIN AND CLOTHING. USE IN WELL-VENTILATED AREAS. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA IN ORIGINAL CONTAINER PROPERLY SEALED. DO NOT STORE NEAR IGNITION SOURCES OR IN DIRECT SUNLIGHT.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HMIS HAZARD RATING INFORMATION

| FLAMMABILITY | REACTIVITY | HEALTH |
|--------------|------------|--------|
| 3 | 0 | 2 |

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: OCTOBER 4, 2009

DISCLAIMER:

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