



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: NOT CONTROLLED

MATERIAL REFERENCE NO: 267900

SECTION I - MATERIAL IDENTIFICATION AND USE

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| MATERIAL NAME/I.D.: SHIELD | |
| CHEMICAL NAME: NOT APPLICABLE | CHEMICAL FAMILY: MIXTURE |
| CHEMICAL FORMULA: MIXTURE | MOLECULAR WEIGHT: NOT APPLICABLE |
| SYNONYMS: NONE | |
| MATERIAL USE: SKIN BARRIER CREAM | |

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

| HAZARDOUS INGREDIENTS | APPROX. % CONCENT. | TLV PPM | C.A.S. NUMBERS | LD 50 ORAL, RAT |
|----------------------------|-------------------------|--------------|---------------------|----------------------|
| NOT APPLICABLE | | | | |
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SECTION III - PHYSICAL DATA FOR MATERIAL

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| PHYSICAL STATE: VISCOUS LIQUID | |
| ODOUR AND APPEARANCE: OFF WHITE CREAM: MILD, PLEASANT ODOUR. | |
| ODOUR THRESHOLD (PPM) | SPECIFIC GRAVITY |
| NOT AVAILABLE | 1.00 |
| VAPOUR DENSITY (AIR=1) | EVAPORATION RATE |
| > 1 | NOT AVAILABLE |
| SOLUBILITY IN WATER | |
| (20°C) SOLUBLE | |
| BOILING POINT (C) | FREEZING POINT (C) |
| 100 (EST.) | 0 (EST.) |
| % VOLATILE (BY WEIGHT) | |
| > 80 | |
| pH (100% SOLUTION) | DENSITY (G/ML) |
| 8.0-9.0 | NOT APPLICABLE |
| COEF.OF WATER/OIL DISTR | |
| NOT AVAILABLE | |



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

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|---|--|--|--|
| FLAMMABILITY: NON-FLAMMABLE | | | |
| IF YES, UNDER WHICH CONDITIONS: | | | |
| MEANS OF EXTINCTION: AS APPROPRIATE FOR SURROUNDING MATERIALS. | | | |
| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF- | | | |
| CONTAINED BREATHING APPARATUS. | | | |
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| FLASH POINT (C) AND METHOD: NONE | | | |
| HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, | | | |
| TOXIC FUMES AND SMOKE. | | | |
| UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C) | | | |
| NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE | | | |
| EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER | | | |
| TO CHEMICAL IMPACT | | | |
| NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE | | | |
| SENSITIVITY TO STATIC DISCHARGE: NOT APPLICABLE | | | |

SECTION V - REACTIVITY DATA

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|---|--|--|--|
| CHEMICAL STABILITY: STABLE | | | |
| IF NO, UNDER WHICH CONDITIONS: | | | |
| HAZARDOUS POLYMERIZATION WILL NOT OCCUR. | | | |
| INCOMPATIBILITY TO OTHER SUBSTANCES: YES | | | |
| IF SO, WHICH ONES: OXIDIZING AGENTS, REDUCING AGENTS. | | | |
| | | | |
| REACTIVITY AND UNDER WHAT CONDITIONS: NOT AVAILABLE | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE | | | |
| CARBON DIOXIDE, CARBON MONOXIDE, TOXIC FUMES, SMOKE. | | | |
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SECTION VI - HEALTH HAZARD DATA

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|---------------------|--|--|--|
| ROUTE OF ENTRY: | | | |
| SKIN CONTACT: NO | | | |
| SKIN ABSORPTION: NO | | | |
| EYE CONTACT: YES | | | |
| INHALATION: NO | | | |
| INGESTION: YES | | | |



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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
|EYES-CONTACT MAY CAUSE IRRITATION, WATERING, INFLAMMATION OF |
|CONJUNCTIVA. |
|INGESTION-MAY CAUSE NAUSEA, VOMITING. |
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|EXCESSIVE OR PROLONGED CONTACT MAY CAUSE SENSITIZATION IN SOME |
|INDIVIDUALS. |
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| |

|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE |VERY LOW IF ANY |
| | | | |

|SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |
|SEE EFFECTS OF CHRONIC EXPOSURE | NOT AVAILABLE |

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |
|NONE KNOWN |
| |
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SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: NONE FOR NORMAL USE. |
|RESPIRATORY: NONE FOR NORMAL USE. |
| EYE: NONE FOR NORMAL USE. |
| FOOTWEAR: NO SPECIAL REQUIREMENTS. |
| CLOTHING: NO SPECIAL REQUIREMENTS. |
| OTHER: EYE WASH |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NOT |
| REQUIRED FOR NORMAL USE. |

|LEAK AND SPILL PROCEDURE: SMALL SPILLS MAY BE WIPED UP OR FLUSHED |
|WITH VOLUMES OF WATER. LARGE SPILLS-TRANSFER TO SUITABLE CONTAINER |
|FOR RECLAIM OR DISPOSAL. ABSORB RESIDUAL ONTO INERT ABSORBENT AND |
|PLACE IN DISPOSAL CONTAINER. FLUSH RESIDUAL WITH VOLUMES OF WATER. |

|WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND |
|FEDERAL REGULATIONS. |
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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ASSISTANCE.
INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DRINK LARGE QUANTITIES OF MILK OR WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. CALL A PHYSICIAN IMMEDIATELY.

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

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

| SHIPPING NAME | CLASS | UN NO. | PACKING GROUP |
|---------------|-------|--------|---------------|
| NOT REGULATED | | | |

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES. WASH THOROUGHLY BEFORE HANDLING FOOD.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. DO NOT STORE WHERE TEMPERATURES EXCEED 50 (C). KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NON-HEATED

SECTION X - HMIS HAZARD RATING INFORMATION

| FLAMMABILITY | REACTIVITY | HEALTH |
|--------------|------------|--------|
| 0 | 0 | 1 |

SECTION XI - PREPARATION DATE OF MSDS

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

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