



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: B6, D2B, F

MATERIAL REFERENCE NO: 700600

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET RESIN-NU	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: REDUCING AGENTS
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: MIXTURE
SYNONYMS: NONE	
MATERIAL USE: ION-EXCHANGE RESIN CLEANER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM DITHIONITE HYDROSULPHITE	40.0-60.0	5 MG/KG	7775-14-6	NO DATA

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: SOLID		
ODOUR AND APPEARANCE: WHITE POWDER; SLIGHT SULPHUR ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 2.48	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT APPLICABLE	EVAPORATION RATE NOT APPLICABLE	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) NOT APPLICABLE	MELTING POINT (C) 54.4 (DECOMPOSES)	% VOLATILE (BY WEIGHT) NOT AVAILABLE
pH (10% SOLUTION) NOT APPLICABLE	BULK DENSITY NOT AVAILABLE	COEF.OF WATER/OIL DISTR NOT AVAILABLE



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

| FLAMMABILITY: FLAMMABLE SOLID |
IF YES, UNDER WHICH CONDITIONS: FIRE RISK IN CONTACT WITH MOISTURE.
MEANS OF EXTINCTION: SAND, DRY CHEMICAL, SODA ASH, LIME.

| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING A SELF- |
| CONTAINED BREATHING APPARATUS. DITHIONITE FIRES MAY REQUIRE FLOODING |
| WITH WATER TO ELIMINATE HAZARDOUS REACTION SINCE THIS MATERIAL CAN |
GENERATE OXYGEN.
FLASH POINT (C) AND METHOD: NOT APPLICABLE

HAZARDOUS COMBUSTION PRODUCTS: SULPHUR DIOXIDE, SODIUM OXIDE
UPPER EXPLOSION LIMIT
NOT APPLICABLE

EXPLOSION DATA SENSITIVITY	RATE OF BURNING	EXPLOSIVE POWER
TO CHEMICAL IMPACT		
NOT AVAILABLE	NOT APPLICABLE	NOT AVAILABLE

SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE

SECTION V - REACTIVITY DATA

| CHEMICAL STABILITY: STABLE |
| IF NO, UNDER WHICH CONDITIONS: AVOID MOISTURE AND HEAT IN EXCESS OF |
48.9 (C)
INCOMPATIBILITY TO OTHER SUBSTANCES: YES
ALL OXIDIZING AND ACIDIC MATERIALS, SODIUM CHLORITE, ALUMINUM, HOT
WATER.

| REACTIVITY AND UNDER WHAT CONDITIONS: |
| CONTACT WITH ACIDS CAUSES EVOLUTION OF TOXIC GASES. VIOLENT |
EXPLOSION CAN OCCUR WHEN HEATED WITH ALUMINUM OR MAGNESIUM.
HAZARDOUS DECOMPOSITION PRODUCTS:
SULPHUR DIOXIDE, SODIUM OXIDE.

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:
SKIN CONTACT: YES
INHALATION: YES



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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
 |EYES-CONTACT WILL CAUSE IRRITATION. |
 |SKIN-PROLONGED EXPOSURE CAN CAUSE SLIGHT IRRITATION. |
 |INHALATION-CAN CAUSE IRRITATION OF RESPIRATORY TRACT, COUGHING, |
 |CHEST PAIN DIFFICULTY IN BREATHING. |
 |INGESTION-OF DUST OR SOLIDS MAY CAUSE IRRITATION OF MOUTH, THROAT |
 |AND MUCOUS MEMBRANES OF GASTROINTESTINAL TRACT, NAUSEA, VOMITING AND |
 |DIARRHEA. |
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
 |NOT KNOWN. |
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LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	MODERATE

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

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

|PERSONAL PROTECTIVE EQUIPMENT: |
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 | GLOVES: RUBBER |
 |RESPIRATORY: DUST MASK FOR DUST CONDITIONS |
 | EYE: CHEMICAL GOGGLES |
 | FOOTWEAR: RUBBER |
 | CLOTHING: NORMAL COVERALLS. |
 | OTHER: EYE WASH AND SAFETY SHOWER |
 |ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): EXHAUST |
 | FANS RECOMMENDED. |
 |

|LEAK AND SPILL PROCEDURE: SWEEP UP AND PLACE IN CONTAINER FOR |
 |RECLAIM OR DISPOSAL. FLUSH CONTAMINATED AREA WITH WATER TO REMOVE |
 |RESIDUE. AVOID CONTACT WITH COMBUSTIBLE MATERIALS. |
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|WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND |
 |FEDERAL REGULATIONS. |
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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |
 | EYES-FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION |
 | IMMEDIATELY. |
 | SKIN-WASH THOROUGHLY WITH SOAP AND WATER. |
 | INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL |
 | RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL |
 | ATTENTION. |
 | INGESTION-GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. |
 | DO NOT GIVE FLUIDS TO AN UNCONSCIOUS OR CONVULSING PERSON. |
 | |

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

| ADDITIONAL INFORMATION: NONE |

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
SODIUM HYDROSULPHITE	4.2	1384	II

| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND |
 | CLOTHING. DO NOT INGEST. MINIMIZE DUSTING WHEN HANDLING. WEAR A DUST |
 | MASK. WASH THOROUGHLY AFTER HANDLING. |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM OXIDIZING |
 | AGENTS AND ACIDS. PROTECT AGAINST MOISTURE, WATER AND PHYSICAL |
 | DAMAGE. |

| SPECIAL SHIPPING INFORMATION: NONE |

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
1	2	2

SECTION XI - PREPARATION DATE OF MSDS

| PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444 |
 | REVIWED: OCTOBER 10, 2009 |

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