



# 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: D2B, E

MATERIAL REFERENCE NO: 526200

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: CSL # 262	
CHEMICAL NAME : NOT APPLICABLE	CHEMICAL FAMILY : ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CLOSED SYSTEM SCALE AND CORROSION INHIBITOR	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
SODIUM MOLYBDATE	5.0-15.0	5 MG/M3	10102-40-6	NOT AVAILABLE
TOLYTRIAZOLE	1.0-5.0	NOT AVAILABLE	64665-57-2	920 MG/KG (MALES) 640 MG/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR AMBER LIQUID; MILD ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.08	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) >1	EVAPORATION RATE (WATER = 1) >1.0	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) NOT AVAILABLE	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) >90
pH (10% SOLUTION) 11.0-12.0	DENSITY (G/ML) NOT APPLICABLE	COEF.OF WATER/OIL DISTR NOT AVAILABLE



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## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON FLAMMABLE	
IF YES, UNDER WHICH CONDITIONS:	
MEANS OF EXTINCTION: CHEMICAL FOAM, CARBON DIOXIDE, WATER FOG	
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.	
FLASH POINT (C) AND METHOD: NONE (TCC)	
HAZARDOUS COMBUSTION PRODUCTS: MAY EVOLVE NITROGEN OXIDES, SMOKE, SOOT, CARBON DIOXIDE, SODIUM OXIDE.	
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:	
INCOMPATIBILITY TO OTHER SUBSTANCES: YES	
IF SO, WHICH ONES: AVOID CONTACT WITH STRONG ACIDS, OXIDIZING AGENTS	
REACTIVITY AND UNDER WHAT CONDITIONS: NO	
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.	
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY EVOLVE NITROUS OXIDES. CARBON MONOXIDE, CARBON DIOXIDE, SODIUM OXIDE.	

## SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:	
SKIN CONTACT: YES	SKIN ABSORPTION: YES
INHALATION: YES	INGESTION: YES



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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL:  
|EYES-CONTACT MAY CAUSE IRRITATION.  
|SKIN-PROLONGED CONTACT MAY CAUSE IRRITATION.  
|INHALATION-HIGH CONCENTRATIONS MAY CAUSE IRRITATION OF RESPIRATORY  
|TRACT AND LUNGS.  
|INGESTION-CAUSES DROWSINESS, ANXIETY, NAUSEA AND VOMITING.  
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:  
|INHALATION-MAY CAUSE CHEMICAL BRONCHITIS.  
|SKIN-PROLONGED CONTACT MAY CAUSE DERMATITIS.

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	EYE AND SKIN

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

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

|PERSONAL PROTECTIVE EQUIPMENT:  
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| GLOVES: RUBBER OR VINYL  
|RESPIRATORY: WORN BY PERSONS SENSITIVE TO FUMES  
| EYE: FACE SHIELD OR SAFETY GOGGLES  
| CLOTHING: IMPERMEABLE  
| OTHER: EYE WASH AND SAFETY SHOWER  
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL  
| RECOMMENDED IN CONFINED AREAS OR IF TLV IS UNKNOWN.

|LEAK AND SPILL PROCEDURE: STOP LEAKS AND CONTAIN SPILL. TRANSFER TO  
|SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING RESIDUE  
|ONTO SUITABLE ABSORBANT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH  
|AREA WITH VOLUMES OF WATER.

|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. LAUNDER CLOTHING BEFORE REUSE. |  
| INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE |  
| OXYGEN. GET MEDICAL ATTENTION. |  
| INGESTION, IF SWALLOWED-DO NOT INDUCE VOMITING. GIVE WATER OR |  
| DILUTE VINEGAR. GET MEDICAL ATTENTION. |  
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| 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 STRONG ACIDS OR OXIDIZING REAGENTS.  
| |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY WELL VENTILATED AREA IN |  
| ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE. |

| SPECIAL SHIPPING INFORMATION: HEATED |

## SECTION X - HMIS HAZARD RATING INFORMATION

| FLAMMABILITY | REACTIVITY | HEALTH |  
| 0 | 0 | 2 |

## SECTION XI - PREPARATION DATE OF MSDS

| PREPARED BY: TECHNICAL DEPARTMENT | TELEPHONE # (905) 456-9444 |  
| REVIEWED: DECEMBER 14, 2003 |

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