



# 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, E

MATERIAL REFERENCE NO: 107000

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: BLAST II	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: FOOD SERVICE RENOVATOR	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 RAT, ORAL
SODIUM METASILICATE	5.0-10.0	NO DATA	6834-92-0	1153 MG/KG
2-AMINO-2-METHYLPROPANOL	0.5- 1.5	NO DATA	124-68-5	2900 MG/KG
DIPROPYLENE GLYCOL METHYL ETHER	1.0- 5.0	100	34590-94-8	5400 uL/KG
ISOPROPYL ALCOHOL	3.0- 7.0	400	67-63-0	5045 MG/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: LIGHT PURPLE COLOUR, FAINT SOLVENT ODOUR		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.02	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) > 1	EVAPORATION RATE (WATER = 1) >1	SOLUBILITY IN WATER COMPLETE (20 ø C)
BOILING POINT (C) 93.3	FREEZING POINT (C) 0 (EST.)	% VOLATILE (BY WEIGHT) 90
pH (10% SOLUTION) 12.0-12.5	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: YES   IF YES, UNDER WHICH CONDITIONS: VAPOURS FROM A SEALED CONTAINER   MAY BE FLAMMABLE. NON FLAMMABLE WHEN USED AS DIRECTED.		
MEANS OF EXTINCTION: WATER FOG, CHEMICAL FOAM, CO2		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-   CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH   WATER.		
FLASH POINT (C) AND METHOD: 34.4 (TAG CLOSED CUP)		
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND NITROGEN,   TRACE OF SULPHUR DIOXIDE.		
UPPER EXPLOSION LIMIT   NOT AVAILABLE	LOWER EXPLOSION LIMIT   NOT AVAILABLE	AUTOIGNITION TEMP(C)   NOT AVAILABLE
EXPLOSION DATA SENSITIVITY   TO CHEMICAL IMPACT   NOT AVAILABLE	RATE OF BURNING   NOT AVAILABLE	EXPLOSIVE POWER   NOT AVAILABLE
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE		

## SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: YES   IF NO, UNDER WHICH CONDITIONS:		
INCOMPATIBILITY TO OTHER SUBSTANCES: YES   IF SO, WHICH ONES: OXIDIZING AGENTS, STRONG ACIDS OR OTHER REACTIVE   MATERIALS.		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED   HAZARDOUS POLYMERIZATION WILL NOT OCCUR.		
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN,   TRACE OF SULPHUR.		

## SECTION VI - HEALTH HAZARD DATA

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



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:  
EYES-CONCENTRATE MAY CAUSE SEVERE IRRITATION, STINGING, TEARING.  
SKIN-CONCENTRATE MAY CAUSE IRRITATION, ITCHING OR TINGLING,  
INFLAMMATION.  
INHALATION-PROLONGED BREATHING OF CONCENTRATED VAPOURS MAY CAUSE  
IRRITATION OF EYES, NOSE AND THROAT, COUGHING, DIZZINESS.  
INGESTION-MAY CAUSE IRRITATION AND BURNING SENSATION OF LIPS, MOUTH  
AND THROAT, PAIN IN SWALLOWING, GASTRO-INTESTINAL IRRITATION,  
ABUNDANT SALIVATION, STOMACH CRAMPS, NAUSEA.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:  
EYES-REPEATED OR PROLONGED CONTACT MAY CAUSE CONJUNCTIVITIS, BURNS  
AND DAMAGE OF MUCOUS MEMBRANES, ULCERATION OF EYES.  
SKIN-CONTACT MAY CAUSE IRRITATION, DEFATTING, DERMITITIS.  
INHALATION-EXCESSIVE BREATHING OF HIGH CONCENTRATIONS OF MIST OR  
VAPOURS MAY CAUSE CHEMICAL BRONCHITIS.

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL MODERATE
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SENSITIZATION OF MATERIAL NOT AVAILABLE	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY  
NONE KNOWN

## SECTION VII - PREVENTIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VINYL WHEN HANDLING CONCENTRATE  
RESPIRATORY: NOT NORMALLY REQUIRED  
EYE: FACE SHIELD OR SAFETY GOGGLES IF SLASHING MAY OCCUR  
FOOTWEAR: NO SPECIAL REQUIREMENTS  
CLOTHING: NO SPECIAL REQUIREMENTS  
OTHER: EYE WASH, SAFETY SHOWER  
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NATURAL IS  
NORMALLY SUFFICIENT IN USE AREAS. LOCAL VENTILATION RECOMMENDED IN  
CONFINED OR ENCLOSED AREAS.

LEAK AND SPILL PROCEDURE: REMOVE IGNITION SOURCES. CONTAIN SPILL.  
SMALL SPILLS MAY BE FLUSHED TO SEWER WITH LARGE VOLUMES OF WATER.  
LARGE SPILLS-TRANSFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL.  
ABSORB REMAINING MATERIAL ONTO INERT ABSORBENT AND SCOOP INTO  
DISPOSAL CONTAINER. FLUSH RESIDUAL WITH VOLUMES OF WATER.

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



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## SECTION VIII - FIRST AID MEASURES

PROCEDURES:  
EYES-FLUSH WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION IF PAIN OR IRRITATION PERSISTS.  
SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. LAUNDER CLOTHING BEFORE REUSE.  
INHALATION-MOVE VICTIM TO FRESH AIR AND LOOSEN CLOTHING. IF BREATHING IS DIFFICULT GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN GIVE OXYGEN. GET MEDICAL ATTENTION.  
INGESTION-DO NOT INDUCE VOMITING. GIVE COLD WATER OR ICE TO RINSE MOUTH. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. 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.	PACKING GROUP
NOT REGULATED			

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT MIX WITH ACIDS. AVOID SOURCES OF IGNITION. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING.

SPECIAL SHIPPING INFORMATION: HEATED

## SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
1	0	2

## SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT      TELEPHONE # (905) 456-9444  
REVISED: JANUARY 22, 2009      REPLACES: JULY 12, 2006

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