



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: C, D2B

MATERIAL REFERENCE NO: 103600

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: ANTI-BROWNING AGENT	
CHEMICAL NAME: SODIUM CARBONATE	CHEMICAL FAMILY: PERCARBONATE SALT
PEROXYHYDRATE	
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT AVAILABLE
SYNONYMS: NONE	
MATERIAL USE: MULTI-USE OXYGENATING CLEANER AND DESTAINER.	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 RAT, ORAL
SODIUM PERCARBONATE	60.0-100.0	NOT AVAILABLE	15630-89-4	1900-3000 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: SOLID		
ODOUR AND APPEARANCE: WHITE, GRANULAR/POWDERED SOLID.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	NOT AVAILABLE	NOT APPLICABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT APPLICABLE	NOT APPLICABLE	(20 ø C) 150 GM/L
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT APPLICABLE	NOT AVAILABLE	NOT AVAILABLE
pH (1% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
10	900-1100 KG/M3	NOT AVAILABLE



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 103600

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: WATER SPRAY OR FOG. DO NOT USE DRY CHEMICALS,			
CARBON DIOXIDE OR HALON.			
SPECIAL PROCEDURES: DO NOT GET WATER IN CONTAINER BECAUSE OF VIOLENT			
REACTION. KEEP CONTAINER CLOSED. OXIDIZING AGENT-MAY IGNITE			
OXIDIZABLE MATERIALS.			
FLASH POINT (C) AND METHOD: NONE FLAMMABLE			
HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE,			
METALLIC OXIDES.			
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: NORMALLY STABLE			
IF NO, UNDER WHICH CONDITIONS: DECOMPOSES ABOVE 140F/60C WITH			
RELEASE OF OXYGEN.			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: REDUCING AGENTS, ACIDS, ORGANIC MATERIALS, METALS			
AND MOISTURE.			
REACTIVITY AND UNDER WHAT CONDITIONS: CAN DECOMPOSE RAPIDLY IN			
PRESENCE OF ORGANIC MATERIALS AND LIBERATE LARGE AMOUNT OF HEAT.			
CORROSIVE IN PRESENCE OF ALUMINUM, ZINC AND COPPER.			
HAZARDOUS DECOMPOSITION PRODUCTS: NOT AVAILABLE.			

SECTION VI - HEALTH HAZARD DATA

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



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 103600

| EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
| EYES-CONTACT MAY CAUSE IRRITATION. CAN CAUSE INFLAMMATION (REDNESS, |
| WATERING, ITCHING.) |
| SKIN-CONTACT MAY CAUSE IRRITATION. PROLONGED CONTACT MAY CAUSE SKIN |
| BURNS, ULCERATIONS, ITCHING, SCALING, REDDNESS OR BLISTERING. |
| INHALATION-MAY CAUSE IRRITATION TO RESPIRATORY TRACT. |
| INGESTION-EXPECTED TO BE SLIGHTLY TOXIC. |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
| THERE ARE NO KNOWN EFFECTS FROM CHRONIC EXPOSURE. |

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

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

| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY |
| NONE KNOWN. |
| PRODUCT IS NOT KNOWN TO AGGRAVATE MEDICAL CONDITIONS. |

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: GENEAL USE GLOVES. |
| RESPIRATORY: NOT NORMALLY REQUIRED. |
| EYE: SPLASH GOGGLES AND FACE SHIELD. |
| FOOTWEAR: NO SPECIAL REQUIREMENTS. |
| CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED SKIN. |
| OTHER: EYE WASH AND SAFETY SHOWER |
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL TO |
| TO MAINTAIN EXPOSURE LEVELS BELOW TLV. |

| LEAK AND SPILL PROCEDURE: PROVIDE ADEQUATE VENTILATION. REMOVE |
| IGNITION SOURCES. WEAR APPROPRIATE PROTECTIVE EQUIPMENT. CAREFULLY |
| SWEEP UP MATERIAL AND PLACE IN APPROPRIATE CONTAINER FOR REUSE OR |
| DISPOSAL. |

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



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 103600

SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CONTACT A
PHYSICIAN.
SKIN-WASH THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ASSISTANCE IF
IRRITATION PERSISTS. WASH CONTAMINATED CLOTHING BEFORE RE-USE.
INHALATION-REMOVE VICTIM TO FRESH AIR. GET MEDICAL ASSISTANCE.
INGESTION-IF PERSON IS CONCIIOUS AND NOT CONVULSING, GIVE 2-4 GLASSES
OF MILK OR WATER TO DILUTE STOMACH CONTENTS. 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
OXIDIZING, SOLID, N.O.S.	5.1	1479	III

HANDLING PROCEDURES AND EQUIPMENT: KEEP AWAY FROM IGNITION SOURCES.
AVOID EYE AND SKIN CONTACT. DO NOT BREATH DUST. KEEP AWAY FROM
INCOMPATIBLE MATERIALS.

STORAGE REQUIREMENTS: STORE IN A COOL DRY AREA AWAY FROM
INCOMPATIBLE MATERIALS. AVOID CONTACT WITH MOISTURE.

SPECIAL SHIPPING INFORMATION: OXIDIZER

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
1	2	1

SECTION X1 - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: OCTOBER 24, 2009

DISCLAIMER:

THE INFORMATION CONTAINED HEREIN IS COMPILED FROM SOURCES BELIEVED TO BE RELIABLE. THE MANNER AND CONDITIONS OF USE AND HANDLING MAY INVOLVE OTHER AND ADDITIONAL CONSIDERATIONS. WE ACCEPT NO RESPONSIBILTY FOR THE ACCURACY, SUFFICIENCY, RELIABILITY OR FOR ANY LOSS OR INJURY RESULTING FROM THE USE OF THE INFORMATION.