

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: 560700

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET SB 607	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: BLENDED PRODUCT
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: STEAM BOILER TREATMENT	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM SULPHITE	1.0-5.0	NO DATA	7757-83-7	820 MG/KG
SODIUM HYDROXIDE	1.0-5.0	2 MG/M3	1310-73-2	500 MG/KG
				LDLo ORAL
				RABBIT
MORPHOLINE	5.0-10.0	20	110-91-8	1050 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: CLEAR, AMBER COLOUR; ACRID ODOUR.
ODOUR THRESHOLD (PPM) SPECIFIC GRAVITY VAPOUR PRESSURE (MM)
NOT ESTABLISHED 1.02 NOT ESTABLISHED
VAPOUR DENSITY (AIR=1) EVAPORATION RATE SOLUBILITY IN WATER
NOT ESTABLISHED NOT AVAILABLE (20°C) COMPLETE
BOILING POINT (C) FREEZING POINT (C) % VOLATILE (BY VOLUME)
NOT AVAILABLE NOT AVAILABLE >90
pH (100 % SOLUTION) DENSITY (G/ML) COEF.OF WATER/OIL DISTR
12.5-13.5 NOT APPLICABLE NOT AVAILABLE

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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

| FLAMMABILITY: COMBUSTIBLE

| IF YES, UNDER WHICH CONDITIONS: HIGH TEMPERATURES, OPEN FLAME

| MEANS OF EXTINCTION: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL

| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-
| CONTAINED BREATHING APPARATUS. VAPOURS ARE HEAVIER THAN AIR AND MAY
| TRAVEL TO IGNITION SOURCE AND FLASH BACK.

| FLASH POINT (C) AND METHOD: 46.1 (TCC)

| HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, AND NITROGEN,
| AMMONIA, ALDEHYDES, KETONES, IRRITATING VAPOURS.

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| 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
| REACTIVE METALS AND NITRITES.

| REACTIVITY AND UNDER WHAT CONDITIONS: MORPHOLINE MAY BE EXPLOSIVE IN
| CONTACT WITH OXIDIZING AGENTS.

|

| HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN GIVE OFF
| OXIDES OF CARBON, AND NITROGEN, AMMONIA, ALDEHYDES, KETONES,
| IRRITATING VAPOURS.

SECTION VI - HEALTH HAZARD DATA

| ROUTE OF ENTRY:

| SKIN CONTACT: YES SKIN ABSORPTION: YES EYE CONTACT: YES
| INHALATION: YES INGESTION: YES

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|EYES-LIQUID, VAPOUR OR MIST MAY CAUSE STINGING, BURNING, INTENSE
|WATERING, REDNESS OF CONJUNCTIVA, POSSIBLE BURNS.
|SKIN-CONTACT MAY CAUSE IRRITATION, ITCHING, TINGLING, REDNESS AND
|SWELLING, POSSIBLE BURNS, INFLAMMATION.
|INHALATION-OF MIST MAY CAUSE SEVERE IRRITATION OF RESPIRATORY TRACT,
|NAUSEA, VOMITING, HEADACHE, DIZZINESS.
|INGESTION-MAY CAUSE SEVERE IRRITATION AND POSSIBLE BURNS TO MOUTH,
|THROAT, ESOPHAGUS AND STOMACH. CAN CAUSE NAUSEA, VOMITING, DIARRHEA,
|DIZZINESS, WEAKNESS.

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:

|MAY CAUSE ALLERGENIC SENSITIZATION

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|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMITS|IRRITANCY OF MATL|
|NOT AVAILABLE |NOT AVAILABLE |NOT ESTABLISHED| MODERATE

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

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
|NONE KNOWN
|MORPHOLINE MAY REACT WITH NITRITES TO FORM N-NITROSAMINES (KNOWN
|CARCINOGENS)

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT:

| GLOVES: RUBBER OR VINYL
|RESPIRATORY: NIOSH/MSHA APPROVED RESPIRATOR IF MISTY CONDITIONS
| PREVAIL
| EYE: SAFETY GOGGLES OR FACE SHIELD
| FOOTWEAR: IMPERMEABLE
| CLOTHING: IMPERMEABLE
| OTHER: EYE WASH AND SAFETY SHOWER
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL OR
|MECHANICAL EXHAUST IF AIRBORNE CONCENTRATIONS EXCEED RECOMMENDED
|EXPOSURE LEVELS.

|LEAK AND SPILL PROCEDURE: PROVIDE ADEQUATE VENTILATION. REMOVE
|SOURCES OF IGNITION. STOP LEAK AND CONTAIN SPILL. PREVENT ENTRY INTO
|SEWERS AND WATERWAYS. TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR
|DISPOSAL. ABSORB REMAINING MATERIAL ONTO INERT ABSORBANT AND SCOOP
|INTO DISPOSAL CONTAINER. FLUSH RESIDUAL WITH VOLUMES OF WATER.

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



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 560700
SECTION VIII - FIRST AID MEASURES

|PROCEDURES:
|EYE CONTACT: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT
|LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.
|SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH
|RUNNING WATER FOR AT LEAST 15 MINUTES. IF PAIN OR IRRITATION
|PERSISTS, GET MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE.
|INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS
|DIFFICULT. SEEK MEDICAL ATTENTION.
|INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. SLOWLY
|GIVE 1-2 GLASSES OF WATER TO DRINK. DO NOT GIVE ANYTHING BY MOUTH IF
|VICTIM IS UNCONSCIOUS OR CONVULSING. GET MEDICAL ATTENTION
|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
CORROSIVE LIQUIDS, FLAMMABLE N.O.S. (MORPHOLINE)	8 (3)	2920	II

|HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND
|CLOTHING. WASH THOROUGHLY AFTER HANDLING.

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

| SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HAZARD RATING INFORMATION

FLAMMABILITY	2	REACTIVITY	0	HEALTH	2
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SECTION XI - PREPARATION DATE OF MSDS

DISCLAIMER:

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