



# 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: A, D1A, D2B

MATERIAL REFERENCE NO: 114121

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: ADMIRAL CS 27 (AEROSOL)	
CHEMICAL NAME: MIXTURE	CHEMICAL FAMILY: PRESSURIZED BLEND
CHEMICAL FORMULA: NOT AVAILABLE	MOLECULAR WEIGHT: NOT AVAILABLE
SYNONYMS: NONE	
MATERIAL USE: DEFOGGER, ANTISTAT, CLEANER, PROECTANT	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS   INGREDIENTS	APPROX.   % CONCENT.	TLV   PPM	C.A.S.   NUMBERS	LD 50   ORAL, RAT
ISOPROPYL ALCOHOL	5.0-10.0	400	67-63-0	5045 MG/KG
LIQUIFIED PETROLEUM   GAS	5.0-10.0	1000	68476-85-7	NOT   AVAILABLE

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: AEROSOL		
ODOUR AND APPEARANCE: WHITE LIQUID; ALCOHOL ODOUR.		
ODOUR THRESHOLD (PPM)   NOT AVAILABLE	SPECIFIC GRAVITY   (CONCENTRATE) 1.005	VAPOUR PRESSURE (MM)   56 PSIG AT 20 (C)
VAPOUR DENSITY (AIR=1)   >1	EVAPORATION RATE   NOT AVAILABLE	SOLUBILITY IN WATER   (25øC) COMPLETE
BOILING POINT (C)   100	FREEZING POINT (C)   NOT AVAILABLE	% VOLATILE (BY WEIGHT)   100
pH (100% SOLUTION)   11.0	DENSITY (G/ML)   NOT APPLICABLE	COEF.OF WATER/OIL DISTR   NOT AVAILABLE



# MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 114121

## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NONE TO BOILING   IF YES, UNDER WHICH CONDITIONS: 		
MEANS OF EXTINCTION: FOAM, DRY CHEMICAL, CO2. 		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF   CONTAINED BREATHING APPARATUS. USE SHIELDING TO PROTECT FROM   VENTING, BURSTING OR RUPTURING CONTAINERS. USE WATER FOG TO COOL   FIRE EXPOSED CONTAINERS. 		
FLASH POINT (C) AND METHOD: NON-FLAMMABLE 		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE.   		
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 PRESSURIZED CONTAINER KEEP TEMP. BELOW 50C
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: STRONG OXIDIZING AGENTS. 		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN   HAZARDOUS POLYMERIZATION WILL NOT OCCUR. 		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE   CARBON DIOXIDE, CARBON MONOXIDE. 		

## SECTION VI - HEALTH HAZARD DATA

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



# MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 114121

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:  
EYES-CONTACT MAY CAUSE IRRITATION OF EYES.  
SKIN-CONTACT MAY CAUSE IRRITATION.  
INHALATION-MAY CAUSE IRRITATION OF NASAL AND RESPIRATORY TRACT.  
INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING,  
AND DIARRHEA.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:  
INHALATION-EXCESSIVE INHALATION MAY CAUSE IRRITATION TO THE UPPER  
RESPIRATORY TRACT, DIZZINESS, NAUSEA, AND OTHER CENTRAL NERVOUS  
SYSTEM EFFECTS.

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

SENSITIZATION OF MATERIAL NONE KNOWN	SYNERGISTIC MATERIALS NONE KNOWN
---	-------------------------------------

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:  
NONE KNOWN.

## SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VITON IF REQUIRED  
RESPIRATORY: NOT NORMALLY REQUIRED.  
EYE: CHEMICAL GOGGLES  
FOOTWEAR: NO SPECIAL REQUIREMENTS  
CLOTHING: NO SPECIAL REQUIREMENTS  
OTHER: EYE WASH AND SAFETY SHOWER  
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL  
VENTILATION IN CONFINED SPACES OR WHEN TLV IS EXCEEDED.

LEAK AND SPILL PROCEDURE: ALLOW PROPELLANT TO EVAPORATE. ABSORB ONTO  
SUITABLE ABSORBANT AND SWEEP UP AND PLACE IN DISPOSAL CONTAINER.  
FLUSH FLOOR TO REMOVE RESIDUAL PRODUCT.

WASTE DISPOSAL: DISPOSE OF THROUGH A LICENSED WASTE DISPOSAL  
FACILITY IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL  
REGULATIONS. DO NOT PUNCTURE OR INCINERATE.



# MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 114121

## SECTION VIII - FIRST AID MEASURES

### PROCEDURES:

EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE.

SKIN-FLUSH WITH SOAP AND WATER. CONTACT A PHYSICIAN IF IRRITATION OCCURS.

INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN. GET MEDICAL ASSISTANCE.

INGESTION-DO NOT INDUCE VOMITING. 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.	PG
D.G. Safety Marks are in accordance with 49 CFR			

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. USE ONLY IN WELL-VENTILATED AREAS. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM OXIDIZING AGENTS. DO NOT STORE WHERE TEMPERATURES EXCEED 50 (C).

SPECIAL SHIPPING INFORMATION: NON-HEATED

## SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
1	0	1

## SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT      TELEPHONE # (905) 456-9444  
REVIEWED: JULY 25, 2002

### 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 RESPONSIBILITY FOR THE ACCURACY, SUFFICIENCY, RELIABILITY OR FOR ANY LOSS OR INJURY RESULTING FROM THE USE OF THE INFORMATION.