



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, B5, D1B, D2A, D2B

MATERIAL REFERENCE NO: 123821

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: DURON (AEROSOL)	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: PRESSURIZED BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: OPEN GEAR LUBRICANT	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 DERMAL, RAT
TRICHLOROETHYLENE	20.0-40.0	50	79-01-6	5650 MG/KG
LIQUIFIED PETROLEUM	40.0-60.0	1000	68476-85-7	NO DATA
GAS				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: AEROSOL		
ODOUR AND APPEARANCE: BLACK, VISCOUS, TACKY LIQUID; MILD, SWEET, SOLVENT ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY (CONCENTRATE) 1.08	VAPOUR PRESSURE (MM) 55 PSIG AT 20 (°C)
VAPOUR DENSITY (AIR=1) > 1	EVAPORATION RATE NOT AVAILABLE	SOLUBILITY IN WATER (20°C) SLIGHT
BOILING POINT (°C) INITIAL (FILL) ~71	FREEZING POINT (°C) NOT AVAILABLE	TOTAL VOC % ~72
pH (10% SOLUTION) NOT APPLICABLE	DENSITY (G/ML) NOT APPLICABLE	COEF.OF WATER/OIL DISTR NOT AVAILABLE



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 123821

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS: WHEN SPRAYED INTO IGNITION SOURCE.			
MEANS OF EXTINCTION: FOAM, DRY CHEMICAL, CARBON DIOXIDE.			
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: CONCENTRATE ~7.2 T.O.C.			
FLAME EXTENTION EXTREMELY FLAMMABLE SPRAY			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
VARIOUS HYDROCARBONS.			
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		PRESSURIZED CONTAINER	
NOT AVAILABLE	NOT AVAILABLE	KEEP TEMP. BELOW 49C	
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. HYDROGEN CHLORIDE, PHOSGENE.			

SECTION VI - HEALTH HAZARD DATA

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



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 123821

|EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
|EYES-CONTACT MAY CAUSE MODERATE TO SEVERE IRRITATION, DISCOMFORT OR |
|PAIN, EXCESS BLINKING, TEARING, REDNESS AND SWELLING OF CONJUNCTIVA. |
|SKIN-FREQUENT OR PROLONGED CONTACT MAY CAUSE IRRITATION, SKIN RASH. |
|INHALATION-MAY CAUSE IRRITATION OF NASAL AND RESPIRATORY PASSAGES. |
| VERY HIGH CONCENTRATIONS CAN CAUSE IRRITATION TO UPPER RESPIRATORY |
| TRACT, NAUSEA AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. |
|INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, |
| DIARRHEA. ASPIRATION INTO LUNGS CAN RESULT IN LUNG INJURY. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|NO DATA AVAILABLE. |

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

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NONE KNOWN	NONE KNOWN

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

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: CHEMICAL RESISTANT IF REQUIRED |
|RESPIRATORY: NOT NORMALLY REQUIRED. FOR PROLONGED EXPOSURES OR IF |
| TLV IS EXCEEDED USE NIOSH/MSHA APPROVED VAPOUR CANISTER |
| OR SELF-CONTAINED BREATHING APPARATUS. |
| EYE: CHEMICAL GOGGLES |
| FOOTWEAR: NO SPECIAL REQUIREMENTS. |
| CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED SKIN. |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL |
| VENTILATION IN CONFINED SPACES OR WHEN TLV IS EXCEEDED. |

|LEAK AND SPILL PROCEDURE: REMOVE SOURCES OF IGNITION. ALLOW |
|PROPELLANT TO EVAPORATE. PROVIDE ADEQUATE VENTILATION. ABSORB |
|MATERIAL ONTO SUITABLE ABSORBENT AND SCOOP OR SWEEP UP AND PLACE IN |
|CONTAINER FOR DISPOSAL. WASH AREA TO REMOVE RESIDUAL MATERIAL. |

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

MATERIAL REFERENCE NO: 123821



MATERIAL SAFETY DATA SHEET

SECTION VIII - FIRST AID MEASURES

PROCEDURES:	
EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL	
ASSISTANCE.	
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH WITH WATER FOR AT LEAST	
15 MINUTES. GET MEDICAL ASSISTANCE. LAUNDER CLOTHING BEFORE REUSE.	
INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE	
OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN	
GIVE OXYGEN. GET MEDICAL ASSISTANCE.	
INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. SLOWLY GIVE 1-2	
GLASSES OF WATER OR MILK TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO	
AN UNCONSCIOUS OR CONVULSING PERSON. GET 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.				
DO NOT USE NEAR IGNITION SOURCES. USE IN WELL-VENTILATED AREAS ONLY.				
STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA				
AWAY FROM OXIDIZING AGENTS. DO NOT STORE WHERE TEMPERATURES EXCEED				
49 (C).				
SPECIAL SHIPPING INFORMATION: NON-HEATED				

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH	
3	0	2	

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444	
REVIEWED: OCTOBEWR 2, 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.