

**MATERIAL SAFETY DATA SHEET**

Printed: 4/18/11

**LUPEROX DDM-9****PRODUCT IDENTIFICATION AND USE**

MANUFACTURER:	ARKEMA CANADA INC. 1100 BURLOAK DRIVE BURLINGTON, ONT. L7L 6B2
EMERGENCY PHONE NUMBER:	(800) 567-5726 (ARKEMA) (613) 996-6666 (CANUTEC)
PRODUCT IDENTIFIER:	LUPEROX DDM-9
PRODUCT CODE:	LU010
PRODUCT USE:	CURING AGENT FOR POLYESTER RESIN AND VINYL ESTER RESINS.
WHMIS CLASSIFICATION:	C - OXIDIZING MATERIAL. D1B - TOXIC MATERIAL CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS. D2B - TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS.

**HAZARDOUS INGREDIENTS**

	% W/W	CAS #	TLV
METHYL ETHYL KETONE PEROXIDE(S) LD50: 484 MG/KG (ORAL-RAT) LD50: 4,000 MG/KG (DERMAL-RABBIT) LC50: 17-50 MG/ML (4-HR – INHALATION-RAT)	15-40	1338-23-4	ACGIH CEILING = 0.2 PPM
HEXYLENE GLYCOL LD50: 2,800-4,700 MG/KG (ORAL-RATS) LD50: >1,840 – 12,300 MG/KG (DERMAL-RABBIT) LC0: >160 PPM (8HR-INHALATION-RAT)	5-10	107-41-5	ACGIH CEILING = 25 PPM
METHYL ETHYL KETONE LD50: 2,700-5,600 MG/KG (ORAL-RAT) LD50: 5,000-13,000 MG/KG (DERMAL-RABBIT) LC50: 11,700 PPM (4-HR – INHALATION-RAT)	0.1-1	78-93-3	ACGIH TWA = 200 PPM ACGIH STEL = 300 PPM
HYDROGEN PEROXIDE LD50: 75 MG/KG (ORAL-RAT)* LD50: >6500 MG/KG (DERMAL-RABBIT)* LC50: 2 MG/L (4HR –INHALATION RAT)	0.1-1	7722-84-1	ACGIH TWA = 1 PPM

\* 70 % SOLUTION

ADDITIONAL INGREDIENT INFORMATION (WHMIS NOT CONTROLLED):

2,2,4-TRIMETHYL -1,3-PENTANEDIOL DIISOBUTYRATE

NE

**PHYSICAL DATA**

PHYSICAL STATE:	LIQUID
ODOUR AND APPEARANCE:	CLEAR OILY LIQUID; SWEET ODOUR.
ODOUR THRESHOLD:	NE
SPECIFIC GRAVITY/DENSITY (G/ML):	1.0088 @ 20°C
VAPOUR PRESSURE:	5.2 TORR @ 19°C
VAPOUR DENSITY (AIR=1):	NE
VOLATILITY/VOL(%):	NE
SOLUBILITY IN H2O:	SLIGHT

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

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EVAPORATION RATE: NE  
BOILING POINT: NE  
FREEZING POINT: NE  
PH: NA  
LOG KOW: NE

**SHIPPING INFORMATION**

UN 3105, 5.2, II, ORGANIC PEROXIDE TYPE D, LIQUID. [METHYL ETHYL KETONE PEROXIDE(S), <=45%].

**FIRE AND EXPLOSION HAZARD**

FLAMMABILITY: NOT FLAMMABLE  
CONDITIONS: WILL BURN ABOVE FLASH POINT.  
MEANS OF EXTINCTION: WATER SPRAY, FOAM OR DRY CHEMICAL  
FLASHPOINT: 95°C (SETA CC)  
UPPER EXPLOSION LIMIT (% V): NE  
LOWER EXPLOSION LIMIT (%V): NE  
AUTO-IGNITION TEMPERATURE: 75°C / 169°F (45 LB CTN)  
(SELF ACCELERATING DECOMPOSITION TEMPERATURE).  
HAZARDOUS COMBUSTION PRODUCTS: NE  
EXPLOSION DATA: CONTAMINATION, TEMPERATURE – CAN DECOMPOSE WITH  
FORCE IF CONFINED DURING EXPOSURE TO FIRE.  
SENSITIVITY TO IMPACT: NO  
SENSITIVITY TO STATIC DISCHARGE: NO

**REACTIVITY**

CHEMICAL STABILITY: UNSTABLE  
INCOMPATIBLE MATERIALS: STRONG ACIDS, ALKALIS, OXIDIZERS, TRANSITION METAL SALTS,  
PROMOTERS / ACCELERATORS, REDUCING AGENTS, COPPER,  
BRASS, RUST, ACETONE.  
CONDITIONS OF REACTIVITY: NE  
HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSITION PRODUCTS ARE FLAMMABLE.

**HEALTH HAZARD INFORMATION**

ROUTE OF ENTRY  
SKIN CONTACT: MAY CAUSE SKIN IRRITATION.  
SKIN ABSORPTION: MAY BE ABSORBED.  
EYE: MAY CAUSE SEVERE IRRITATION OR BLINDNESS  
INGESTION: MAY BE HARMFUL  
INHALATION: VAPOURS MAY CAUSE SEVERE IRRITATION OF THE  
RESPIRATORY TRACT.  
ACUTE OVER EXPOSURE EFFECTS: NE  
CHRONIC OVER EXPOSURE EFFECTS: NE  
SENSITIZATION: DOES NOT MEET WHMIS CRITERIA.  
CARCINOGENICITY: HYDROGEN PEROXIDE IS CLASSIFIED BY ACGIH AS A3 –  
ANIMAL CARCINOGEN. CAUSES CANCER IN ANIMALS UNDER  
UNCOMMON CONDITIONS THAT MAY NOT BE RELEVANT TO  
WORKER EXPOSURE.  
TERATOGENICITY: DOES NOT MEET WHMIS CRITERIA.  
MUTAGENICITY: DOES NOT MEET WHMIS CRITERIA.  
REPRODUCTIVE TOXICITY: DOES NOT MEET WHMIS CRITERIA.

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**LUPEROX DDM-9****PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT:	WEAR GOGGLES, FACE SHIELD, PROTECTIVE CLOTHING AND USE IMPERVIOUS GLOVES. WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOUR CARTRIDGE.
SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.
LEAK AND SPILL PROCEDURES:	USE NON-COMBUSTIBLE ABSORBENT MATERIAL. SWEEP OR SCOOP AND PLACE IN A CLOSED CONTAINER. WET DOWN WITH WATER AND DISPOSE OF IMMEDIATELY.
WASTE DISPOSAL:	HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.
HANDLING PROCEDURES AND EQUIPMENT:	KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS OR REST ROOMS.
STORAGE REQUIREMENTS:	KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. STORE BELOW 38°C/100°F.

**FIRST AID MEASURES**

EYE	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
SKIN	WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
INGESTION	DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION	REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

**PREPARATION DATE**

PREPARED BY:	TECHNICAL DEPARTMENT.
PHONE NUMBER OF PREPARER:	(800) 567-5726
DATE PREPARED (MM/DD/YY):	01/24/97
DATE REVISED (MM/DD/YY):	04/18/11

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

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