

**MATERIAL SAFETY DATA SHEET**

Printed: 9/29/08

**LUPEROX 26****PRODUCT IDENTIFICATION AND USE**

MANUFACTURER: ARKEMA CANADA INC.  
700 THIRD LINE  
OAKVILLE, ONTARIO  
L6J 5A3

EMERGENCY PHONE NUMBER: (905) 827-9841 (ARKEMA)  
(613) 996-6666 (CANUTEC)

PRODUCT IDENTIFIER: LUPEROX 26  
PRODUCT CODE: LU070

PRODUCT USE: POLYMERIZATION INITIATOR.

WHMIS CLASSIFICATION: B3 - COMBUSTIBLE LIQUID.  
C - OXIDIZING MATERIAL.  
F - DANGEROUSLY REACTIVE MATERIAL.

**HAZARDOUS INGREDIENTS**

	%W/W	CAS #	TLV
TERT-BUTYL PEROXY-2-ETHYLHEXANOATE	60-100	3006-82-4	NE

LD50: >10,000 MG/KG (ORAL-RATS)  
LD50: 16,818 MG/KG (DERMAL-RABBITS)  
LC50: 42.2 MG/L (4-HR.-INHALATION-RATS)

ADDITIONAL INGREDIENT INFORMATION (WHMIS NOT CONTROLLED):  
NA

**PHYSICAL DATA**

PHYSICAL STATE: LIQUID

ODOUR AND APPEARANCE: COLOURLESS TO PALE YELLOW LIQUID, SWEET ODOUR.

ODOUR THRESHOLD: NE

SPECIFIC GRAVITY/DENSITY (G/ML): 0.898 @ 20°C

VAPOUR PRESSURE: 3.4 MMHG @ 30°C

VAPOUR DENSITY (AIR=1): NE

VOLATILITY/VOL(%): NE

SOLUBILITY IN H2O: 0.07 MG/G

EVAPORATION RATE: NE

BOILING POINT: NE

FREEZING POINT: <60°C

PH: NA

LOG KOW: NE

**SHIPPING INFORMATION**

UN 3113, 5.2, II, ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED. (TERT-BUTYL PEROXY-2-ETHYLHEXANOATE, >52-100%).

**FIRE AND EXPLOSION HAZARD**

FLAMMABILITY: COMBUSTIBLE.

CONDITIONS: WILL BURN ABOVE FLASH POINT

MEANS OF EXTINCTION: WATER SPRAY, FOAM OR DRY CHEMICAL

FLASHPOINT: 92°C (198°F) (SETA CC)

UPPER EXPLOSION LIMIT (% V): NE

LOWER EXPLOSION LIMIT (%V): NE

AUTO-IGNITION TEMPERATURE: 42°C / 108°F (35 LB CONTAINER)

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

**MATERIAL SAFETY DATA SHEET**

Printed: 9/29/08

**LUPEROX 26**

HAZARDOUS COMBUSTION PRODUCTS: (SELF ACCELERATING DECOMPOSITION TEMPERATURE)  
EXPLOSION DATA: OXIDES OF CARBON.  
CONTAMINATION, TEMPERATURE – CAN DECOMPOSE WITH  
FORCE IF CONFINED DURING EXPOSURE TO FIRE. IF  
LARGE AMOUNT IS INVOLVED, EVACUATE AREA AND FIGHT  
FIRE FROM SAFE DISTANCE. COOL SURROUNDING  
MATERIAL WITH WATER.

SENSITIVITY TO IMPACT: NO  
SENSITIVITY TO STATIC DISCHARGE: YES

**REACTIVITY**

CHEMICAL STABILITY: THERMALLY UNSTABLE – REFRIGERATION REQUIRED.  
INCOMPATIBLE MATERIALS: STRONG ACIDS, ALKALIS, OXIDIZERS, REDUCING AGENTS, AMINES,  
PROMOTERS/ACCELERATORS.  
CONDITIONS OF REACTIVITY: EXCESSIVE/HIGH HEAT AND CONTAMINATION WITH OTHER  
CHEMICALS.  
HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSITION PRODUCTS ARE FLAMMABLE.

**HEALTH HAZARD INFORMATION**

ROUTE OF ENTRY

SKIN CONTACT: MAY CAUSE SLIGHT IRRITATION.  
SKIN ABSORPTION: NE  
EYE: MAY CAUSE SLIGHT IRRITATION.  
INGESTION: NE  
INHALATION: NE

ACUTE OVER EXPOSURE EFFECTS: NE  
CHRONIC OVER EXPOSURE EFFECTS: NE

SENSITIZATION: DOES NOT MEET WHMIS CRITERIA.  
CARCINOGENICITY: DOES NOT MEET WHMIS CRITERIA.  
TERATOGENICITY: DOES NOT MEET WHMIS CRITERIA.  
MUTAGENICITY: DOES NOT MEET WHMIS CRITERIA.  
REPRODUCTIVE TOXICITY: DOES NOT MEET WHMIS CRITERIA.

**PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT: WEAR SAFETY GLASSES AND USE IMPERVIOUS  
GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY,  
WEAR A NIOSH APPROVED RESPIRATOR.

SPECIFIC ENGINEERING CONTROLS: LOCAL EXHAUST IS RECOMMENDED.  
LEAK AND SPILL PROCEDURES: SOAK UP WITH A NON-COMBUSTIBLE ABSORBENT  
MATERIAL. SWEEP OR SCOOP UP AND PLACE IN A  
CLOSED CONTAINER, USING NON-SPARKING TOOLS.  
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.  
AVOID CONTAMINATION. WASH BEFORE EATING,  
DRINKING, USING TOBACCO PRODUCTS OR REST  
ROOMS.

**MATERIAL SAFETY DATA SHEET**

Printed: 9/29/08

**LUPEROX 26**

STORAGE REQUIREMENTS: KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. STORE BELOW 10°C.

**FIRST AID MEASURES**

EYE	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
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. INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONEL. 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:	905-827-9841
DATE PREPARED (MM/DD/YY):	07/16/92
DATE REVISED (MM/DD/YY):	09/22/08

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

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE, OR MISUSE ARE BEYOND OUR CONTROL, ARKEMA CANADA MAKES NO WARRANTY EXPRESSED OR IMPLIED, WITH RESPECT TO COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.