



MATERIAL SAFETY DATA SHEET

Printed: 3/24/09

DI-CUP R

PRODUCT IDENTIFICATION AND USE

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

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PRODUCT IDENTIFIER: DI-CUP R

PRODUCT CODE: LU103199

PRODUCT USE: POLYMERIZATION INITIATOR

WHMIS CLASSIFICATION: C - OXIDIZING MATERIAL.

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DICUMYL PEROXIDE	99 MIN.	80-43-3	NE
LD50: 4,000 MG/KG (ORAL-RATS)			
LD0: 2,000 MG/KG (DERMAL-RATS)			
LC50: >224 MG/M3 (6 HR – INHALATION-RATS)*			

* ACTIVE MATERIAL, 40%

ADDITIONAL INGREDIENT INFORMATION (WHMIS NOT CONTROLLED):
NA

PHYSICAL DATA

PHYSICAL STATE: SOLID

ODOUR AND APPEARANCE: OFF-WHITE FLAKES; LEMON MENTHOL ODOUR.

ODOUR THRESHOLD: NE

SPECIFIC GRAVITY/DENSITY (G/ML): 1.04 @ 25/25°C

VAPOUR PRESSURE: 15 MMHG @ 38°C

VAPOUR DENSITY (AIR=1): 9.3

VOLATILITY/VOL(%): NE

SOLUBILITY IN H2O: < 10 G/L

EVAPORATION RATE: NE

BOILING POINT: NE

FREEZING POINT: 39°C (<102°F) (MELTING POINT)

PH: NE

LOG KOW: 3.78 LOG POW

SHIPPING INFORMATION

UN 3110, 5.2, II, ORGANIC PEROXIDE TYPE F, SOLD. (DICUMYL PEROXIDE, >52-100%).

FIRE AND EXPLOSION HAZARD

FLAMMABILITY: NOT FLAMMABLE

CONDITIONS: WILL BURN AT ELEVATED TEMPERATURES.

MEANS OF EXTINCTION: WATER SPRAY, FOAM OR DRY CHEMICAL

FLASHPOINT: >93°C

UPPER EXPLOSION LIMIT (% V): NE

LOWER EXPLOSION LIMIT (%V): NE

AUTO-IGNITION TEMPERATURE: 91°C / 196°F (40 LB CTN)
(SELF ACCELERATING DECOMPOSITION TEMPERATURE).

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

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DI-CUP R**EXPLOSION DATA:**

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:

NO

REACTIVITY**CHEMICAL STABILITY:**

UNSTABLE

INCOMPATIBLE MATERIALS:

STRONG ACIDS, STRONG OXIDIZERS.

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:

MAY CAUSE RESPIRATORY TRACT IRRITATION.

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:

SWEEP OR SCOOP UP USING NON-SPARKLING TOOLS 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 30°C / 100°F TO MAINTAIN STABILITY AND ACTIVE OXYGEN CONTENT.

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.

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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:	905-827-9841
DATE PREPARED (MM/DD/YY):	03/24/09
DATE REVISED (MM/DD/YY):	03/24/09

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

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