



# KENCRO

## CHEMICALS

### PRODUCT : CALCIUM CHLORIDE LIQUID 35%

#### SECTION 1: PRODUCT INFORMATION

T.D.G. CLASSIFICATION	NOT CONTROLLED UNDER TDG
UN NUMBER	N.AP.
PACKING GROUP	N.AP.
PRODUCT NAME	LIQUID CALCIUM CHLORIDE
WHMIS CLASSIFICATION	CLASS "D", DIVISION "2"
CHEMICAL FORMULA	CACL <sub>2</sub> 35-36%
MATERIAL USE	DUST SUPPRESSION ON ROADWAYS AND PARKING LOTS

#### SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	T.L.V.	C.A.S. #	LD/50,ROUTE,SPECIE	ACHIH TLV*
LIQUID CALCIUM CHLORIDE	100		10043-52-4	1000mg/kg RAT, ORAL	10 mg/m

\* VALUE LISTED IS FOR A NUISANCE DUST

#### SECTION 3: PHYSICAL DATA

PHYSICAL STATE	LIQUID, CLEAR TO TAN	
ODOUR	SLIGHT	
ODOUR THRESHOLD	ODOURLESS TO MILD ODOUR	
VAPOUR PRESSURE (MMHG)	1.1 @ 20°C	
BOILING POINT	116°C	
FREEZING POINT	-7°C	
PH	SLIGHTLY ALKALINE	
SPECIFIC GRAVITY (WATER=1)	32% - 1.322	35% - 1.35
SOLUBILITY IN WATER (% W/W)	COMPLETE	

#### SECTION 4: FIRE AND EXPLOSION DATA

FLAMMABILITY	
IF YES, UNDER WHICH CONDITIONS?	EXPLOSION WHEN MIXED WITH FURAN 2 – PEROXY – CARBOXYLIC ACID.
SPECIAL PROCEDURES	FIRE FIGHTERS SHOULD WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
FLASH POINT(C), METHOD	N.AP.
AUTO IGNITION TEMPERATURE	N.AV.
T.D.G. FLAM. CLASS	N.AP.
UPPER FLAMMABLE LIMIT (UFL)	N.AP.
LOWER FLAMMABLE LIMIT (LFL)	N.AP.
HAZARDOUS COMBUSTION PRODUCTS.	SEE SECTION 5
EXPLOSION HAZARDS	EXPLOSION WHEN MIXED WITH FURAN 2 – PEROXY – CARBOXYLIC ACID.
SENSITIVITY TO STATIC DISCHARGE	N.AP.
SENSITIVITY TO MECHANICAL IMPACT	N.AP.

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**SECTION 5: REACTIVITY DATA**

CHEMICAL STABILITY	
YES	STABLE
NO, WHICH CONDITIONS?	
COMPATIBILITY WITH OTHER SUBSTANCES:	
YES	
NO, WHICH ONES?	ZINC – (AS IN GALVANIZED IRON) – YIELDS HYDROGEN GAS WHICH MAY EXPLODE UNDER THESE CONDITIONS. WATER REACTIVE MATERIALS (SUCH AS SODIUM) – CAUSES AN EXOTHERMIC REACTION. AVOID BROMINE TRIFLUORIDE AVOID MIXTURE OF BORON TRIOXIDE & CALCIUM OXIDE
HAZARDOUS POLYMERIZATION	METHYL VINYL ETHER – STARTS RUNAWAY POLYMERIZATION REACTION.

**SECTION 6: TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY	
SKIN CONTACT	WILL CAUSE REDNESS AND ITCHING. CONTACT WITH BROKEN SKIN CAN CAUSE NECROSIS.
EYE CONTACT	MAY IRRITATE OR BURN. POSSIBLE CORNEA DAMAGE.
INHALATION	MAY IRRITATE NOSE, THROAT AND LUNGS.
INGESTION	MAY IRRITATE GASTROINTESTINAL TRACT. MAY CAUSE NAUSEA AND VOMITING.
EFFECTS OF ACUTE EXPOSURE	SEE ABOVE
EFFECTS OF CHRONIC EXPOSURE	SKIN – PROLONGED OR REPEATED EXPOSURE MAY CAUSE DRYING, DEFATTING AND DERMATITIS.
IRRITANCY OF MATERIAL	SEE ABOVE

**SECTION 7: PREVENTATIVE MEASURES**

GLOVES/TYPE	IMPERVIOUS GLOVES RECOMMENDED.
RESPIRATORY/TYPE	USE NIOSH APPROVED EQUIPMENT IF OVER EXPOSURE TO MIST OCCURS.
EYE/TYPE	SAFETY GLASSES OR FACE SHIELD.
FOOTWEAR/TYPE	IMPERVIOUS BOOTS RECOMMENDED.
CLOTHING /TYPE	WASH CLOTHING BEFORE RE-USE.
ENGINEERING CONTROLS	USE LOCAL EXHAUST OR DILUTION VENTILATION IF EXPOSURES EXCEED PERMISSIBLE LIMIT.
LEAK/SPILL	ABSORB IN VERMICULITE, DRY SAND, EARTH OR SIMILAR MATERIAL. CLEAN SPILLED MATERIAL IMMEDIATELY. SPILL REMAINS WET FOR LONG PERIOD OF TIME DUE TO CHLORIDE CONTENT.
WASTE DISPOSAL	WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. DISPOSE OF IN APPROVED LANDFILL SITE.
HANDLING PROCEDURES	AVOID PROLONGED OR REPEATED CONTACT WITH SKIN OR BREATHING VAPOURS, MIST OR FUMES.
EQUIPMENT	
STORAGE NEEDS	DO NOT STORE IN METAL CONTAINERS WHICH PRODUCT WILL CORRODE. CHLORIDE FUMES MAY CORRODE BARE METAL OVER PERIOD OF TIME, KEEP IN TIGHTLY CLOSED CONTAINER.
SPECIAL SHIPPING INSTRUCTIONS	NOT REGULATED BY TDG. UN NUMBER – NOT REGULATED. PRIMARY CLASSIFICATION – NOT REGULATED.

**SECTION 8 : FIRST AID MEASURES**

INHALATION	IF A LARGE AMOUNT OF MIST IS INHALED, MOVE EXPOSED PERSON TO FRESH AIR AND CALL APHYSIAN.
SKIN CONTACT	IMMEDIATELY REMOVE CONTAMINATED CLOTHING. IF SKIN BECOMES WET FLUSH WITH WATER. IF IRRITATION OCCURS CONTACT PHYSICIAN.

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EYE CONTACT IMMEDIATELY FLUSH WITH WATER.  
CONTINUE FOR AT LEAST 15 MINUTES.  
INGESTION GIVE TWO (OR MORE) GLASSES OF WATER, INDUCE VOMITING, CALL PHYSICIAN  
IMMEDIATELY.

**SECTION 9 : PREPARATION INFORMATION**

EMERGENCY PHONE NO (613) 996 6666 (CANUTEC)  
PREPARED BY KENCRO CHEMICALS LIMITED  
(905) 827 4133  
DATE JUNE 2008

**LEGEND:**

CAS # CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER  
LFL LOWER FLAMMABLE LIMIT  
N.AP. NOT APPLICABLE  
N. AV. NOT AVAILABLE  
NIOSH NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH  
TDG TRANSPORTATION OF DANGEROUS GOODS ACT/REGULATIONS  
UFL UPPER FLAMMABLE LIMIT  
WHMIS WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

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