

ANSHUL SPECIALTY MOLECULES LTD.				
Title : MSDS OF CHLOROMETHYL ISOPROPYL CARBONATE			Document No.	QD/ EHS/ 16/C --6
			Rev. No.	0
Prepared by	Approved by		Page No.	1 OF 4
			Effective Date	29/10/2006

1. PRODUCT IDENTIFICATION

Product Name : CHLOROMETHYL ISOPROPYL CARBONATE
 Synonyms : .
 Manufacturer : Anshul Specialty Molecules Ltd.
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 4,Gaiwadi Industrial Estate,
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient : Chloromethyl Isopropyl Carbonate
 CAS No : 35180-01-9
 Molecular Formula : C₃H₉ClO₃

3. HAZARD IDENTIFICATION POTENTIAL HEALTH EFFECTS

Eyes : Irritation to eyes.

4. FIRST AID MEASURES

Eyes : Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. Get medical aid
 Skin : Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical Aid.
 Ingestion : Never give anything by mouth to an unconscious person. Get medical aid.
 Inhalation : Remove from exposure to fresh air . If not breathing give artificial respiration. If breathing is difficult ,give oxygen .Get medical aid ..

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			Rev. No.	0
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			Effective Date	29/10/2006

5. FIRE FIGHTING MEASURES

Extinguishing Media : Dry chemical Powder, Carbon Dioxide or Foam.

Flash Point : ---

Auto ignition temp : ---

Explosive Limit : ---

General Information : As in any fire , wear a self - contained breathing apparatus with full face piece operated in a positive pressure mode. NIOSH (approved or equivalent) and full protective Wear..

6. SPILLAGE, ACCIDENTAL RELEASE MEASURES

Wear self breathing apparatus

Use vermiculite or sand as absorbent to recover in case of spillage.

Limit the polluted area with an absorbent

Transfer the absorbent to an empty drum and neutralize with caustic soda.

After neutralization, clean up with volumes of water.

7. HANDLING AND STORAGE

Handling : Non particular conditions

Storage : Must be stored away from humidity in the original (well closed) package in a covered fresh ventilated area . Keep away from sun-shine and any heat source.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep air borne concentrations low.

Personal Protective Equipment

Eyes : Wear Chemical Safety Goggles.

Skin : Wear appropriate protective gloves to prevent skin exposure.

Clothing : Wear a chemical apron

Respirators : Wear a NIOSH approved full face piece airline respirator in the positive pressure mode with emergency escape provisions.

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			Rev. No.	0
Prepared by	Approved by		Page No.	3 OF 4
			Effective Date	29/10/2006

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid.

Appearance : Clear Colorless.

Odour : --

Vapour Pressure : --

Solubility : Soluble in usual organic solvents..

Vapor Density : ---

Melting Point : -20 °C.

Specific Gravity : 1.13-1.14

Boiling Point : 111 °C.

10. STABILITY AND REACTIVITY

Chemical Stability : Stable up to 50°C.

Conditions to avoid : --

Incompatibility with other materials : ---

Hazardous Decomposition : Hydrogen chloride, Carbon monoxide, carbon dioxide.

Hazardous Polymerization : --

11. TOXICOLOGICAL INFORMATION

LD50 (Ingestion rats) : Upper than 2000 mg/kg.

Carcinogenicity : --

STEL : --

TLV : ---

12. ECOLOGICAL INFORMATION

Spill forbidden : Hydrolysis in acidic medium give formaldehyde.
Hydrogen chloride and isopropanol.

Biodegradability : The product has not been checked for its effects on the Environment.

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			Rev. No.	0
Prepared by	Approved by		Page No.	4 OF 4
			Effective Date	29/10/2006

13. DISPOSAL CONSIDERATIONS

Collect product and destroy by incineration following local regulation .

14. TRANSPORT INFORMATION

Ground France : And Europe	ADR/ RID	Shipping Name :Toxic liquid , organic , N.O.S . (Chloromethyl Isopropyl Carbonate).		
		Danger label :6,1		
		U.N.Number :2810		
		Packing group : III		
		Danger Class :60		
Sea :	IMDG	Packing group : II		
		EMS number : F- A, S-A		
		Marine pollutant		
Air :	IATA	Packing Group : III		
		Passenger and cargo aircraft : limited quantity : Y611 (2L per package) 611 (60L per package)		
		Cargo aircraft only : 618 (200L per package)		

15. REGULATORY INFORMATION

RISK PHRASES

R36 : Irritating to eyes.

SAFETY PHRASES

S 26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 27 : : Take off immediately all contaminated clothing.
In case of accident or if you feel unwell , seek medical advice

S 45 : immediately

NFPA RATING

Health : ---

Flammability : ---

Reactivity : : ---

16. OTHER INFORMATION

The above information is believed to be accurate and represents the best information currently available to us. However we make no warranty of merchantability or any other warranty, express or implied, with respect to such information and we assume no liability resulting from it's use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall ANSHUL SPECIALTY MOLECULES LTD. be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from use or reliance upon this information.

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