



Material Safety Data Sheet

Methylene Chloride
Part Number: 05W011

Hukill Chemical Corporation
7013 Krick Road
Bedford, OH 44146-4493

Section I: Chemical Product & Company Identification

Manufacturer	Hukill Chemical Corporation 7013 Krick Road Bedford, OH 44146-4493	Emergency Telephone Number	(800) 962-1143	
		Chemtrec's Telephone Number	(800) 424-9300	
		Prepared By	Admin istrator	
Telephone Number	(440) 232-9400	Date Prepared	August 8, 2002	
Fax Number	(440) 232-9477	HMIS	Health	2
Web Site	http://www.hukill.com		Flammability	1
Email	hukill@hukill.com		Reactivity	0
Synonyms				

Section II: Composition/Information On Ingredients

Hazardous Components	Reportable Under SARA Section 313	CAS Number	OSHA Limits (ppm)			ACGIH TLV (ppm)	%
			PEL	STEL	Ceiling		
Methylene chloride	Yes	75-09-2	25	125	N/A	50	100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Route(s) of Entry	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes	
Heath Hazards (Acute and Chronic)							
Nausea and vomiting, difficult breathing, skin dehydration, dermatitis, skin absorption, eye inflammation, vomiting, liver damage from ingestion.							
Signs and Symptoms of Exposure							
Dizziness, light-headedness, drowsiness, nausea, vomiting, coughing, skin or eye irritation, unconsciousness, death in extreme cases.							
Carcinogenicity	NTP	Yes	IARC Monographs	Yes	OSHA Regulated?	No	
Comments	Slight carcinogenicity shown in mice. Not yet observed in humans from workplace exposure.						

Section IV: First Aid

Eye Contact	Hold eyelids apart and wash for 15 min. to remove material. Seek medical attention.
Skin Contact	Remove contaminated clothing. Wash affected area with soap and water. Apply lotion to moisturize irritated skin. If irritation persists, seek medical attention.
Inhalation	Move victim to fresh air. Give rescue breathing if necessary. Seek medical attention if CNS depression occurs.
Ingestion	Do not induce vomiting. Do not administer fluids. This material is insoluble and easily aspirated. Keep victim's head below knees to prevent aspiration in case of spontaneous vomiting. Seek medical attention immediately for stomach pumping and charcoal ingestion.



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Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
none		14	25
Extinguishing Media	Use water fog, foam, dry chemical or CO2.		
Special Fire Fighting Procedures			
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers exposed to heat with water spray.			
Unusual Fire and Explosion Hazards			
Produces hydrogen chloride gas and phosgene gas when heated. Extremely irritating and corrosive decomposition products.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled	
Personnel should wear the appropriate respirators for clean-up. Stop leak and absorb small spills with floor absorbant material. Prevent release into sewers and waterways. Vacuum large spills into containers for reclamation. Remove contaminated soil.	
Waste Disposal Method	
Disposal must be in accordance with federal, state and local regulations. Releases more than 1000 pounds (90 gallons) must be reported to the National Response Center (800)424-8802.	

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing	
Aluminum containers are not recommended. Vent indoor storage tanks to the outside to prevent indoor vapor accumulation and pressure build-up.	
Other Precautions	
Vapors are heavier than air and accumulate in low and confined spaces. Avoid use in confined spaces.	

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Full-face chemical cartridge, supplied-air, or SCBA as circumstances require.		
Ventilation	Local Exhaust	Sufficient to maintain ambient levels below 50ppm.	
	Mechanical (General)	Preferably spark-proof to prevent combustion and generation of irritating products	
	Special	None	Other
Protective Gloves	Chemical resistant.		
Eye Protection	Safety glasses with side shields or goggles.		
Other Protective Clothing or Equipment			
Covering any skin that might be exposed is always recommended when working with industrial chemicals.			
Work/Hygienic Practices			
Wash hands after handling and before eating, smoking, or using the toilet.			



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Section IX: Physical And Chemical Properties

Boiling Point	39.8C	Specific Gravity (H2O = 1)	1.32
Vapor Pressure (mm Hg)	420	Melting Point	-96.7C
Vapor Density (Air = 1)	2.93	Evaporation Rate (Butyl Acetate = 1)	14.5
Solubility In Water	1.3wt%		
Appearance and Odor	State		Liquid
Clear, sweet odor			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	None.
Stable		
Incompatibility (Material to Avoid)	Alkali metals, pure oxygen	
Hazardous Decomposition of Byproducts	Hydrogen Chloride, phosgene, chlorine gas	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Dichloromethane

Hazard Class: 6.1

UN Number: UN1593

PGIII

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