



Material Safety Data Sheet

Diethyl Ethanolamine
Part Number: 06N451

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	Brian Peebles	
Telephone Number	(440) 232-9400	Date Prepared	November 28, 2001	
Fax Number	(440) 232-9477	HMIS	Health	3
Web Site	http://www.hukill.com		Flammability	2
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		
Diethyl Ethanolamine	No	100-37-8	10	N/A	N/A	10	100
<i>* mg/m³ instead of ppm.</i>							

Section III: Hazardous Identification

Emergency Overview:							
Route(s) of Entry	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes	
Health Hazards (Acute and Chronic)							
Irritation of eyes and skin, damage to the central nervous system, blood, liver, and kidneys in the event of exposure to unsafe levels. Can be absorbed through the skin. This material is known to cause male reproductive damage.							
Signs and Symptoms of Exposure							
Irritation of skin, respiratory, or digestive tracts. Difficulty breathing, dizziness, fatigue, nausea, unconsciousness, death in extreme cases.							
Carcinogenicity	NTP	No	IARC Monographs	No	OSHA Regulated?	No	
Comments	None.						

Section IV: First Aid

Eye Contact	Lift eyelids, flush with water for 15min, seek medical attention.
Skin Contact	Wash affected area with soap and water. If exposure symptoms persist, seek medical attention.
Inhalation	Move victim to fresh air. Administer rescue breathing if necessary. Seek medical attention.
Ingestion	Seek immediate medical attention. Do not induce vomiting. If victim vomits, carefully prevent vomit aspiration.



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Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
120F, closed cup		6.7	11.7
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.			
Unusual Fire and Explosion Hazards			
Vapors are heavier than air and may accumulate in low places, igniting a distance from the source. Product vapors can combust explosively.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled	
Stop the spill. Eliminate ignition sources and absorb spill with vermiculite or floor absorbant. Prevent entry into sewers or waterways. Transfer into proper containers for reclamation or disposal.	
Waste Disposal Method	
Disposal must be in accordance with federal, state and local regulations.	

Section VII: Handling And Storage

Precautions to Be Taken in Handling and Storing	
Empty containers still may contain explosive vapors. Bond and ground containers for transfer and handling. Store in a closed container in a cool place.	
Other Precautions	
Avoid sudden introduction of vapors into vacuum and sudden pressurized release of vapors into air. In these cases, static discharge could cause spontaneous explosion.	

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Chemical cartridge if needed. Supplied air or SCBA if circumstances require.		
Ventilation	Local Exhaust	Sufficient to keep ambient concentration below PEL.	
	Mechanical (General)	Explosion-proof.	
	Special	None	Other
Protective Gloves	Chemical resistant.		
Eye Protection	Safety glasses with side shields or goggles.		
Other Protective Clothing or Equipment			
Covering as much skin as possible to protect against chemical exposure is always recommended.			
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	324F	Specific Gravity (H2O = 1)	.885
Vapor Pressure (mm Hg)	1	Melting Point	-76F
Vapor Density (Air = 1)	4.04	Evaporation Rate (Butyl Acetate = 1)	.17
Solubility In Water	miscible		
Appearance and Odor	State		Liquid
Colorless, amine odor			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	None.
Stable		
Incompatibility (Material to Avoid)	Heat, strong alkali, and oxidizing agents. Aqueous solutions are corrosive.	
Hazardous Decomposition of Byproducts	Carbon Monoxide and dioxide, nitrogen oxides	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Diethylaminoethanol

Hazard Class: 8

UN Number: UN2686

PGIII

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