



Material Safety Data Sheet

Diethanolamine 99%
Part Number: 06L091

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	1
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		
Diethanolamine	Yes	111-42-2	3 *	N/A	N/A	2 *	99-100
<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)							
Eye, skin, respiratory, or digestive irritation, kidney and liver damage in extreme cases, possibly cancer. Could cause allergic reaction in sensitized individuals.							
Signs and Symptoms of Exposure							
Irritation of skin eyes, respiratory or digestive tracts. Allergy may cause wheezing, hives, general swelling, and possibly anaphylactic shock, closing the airway.							
Carcinogenicity	NTP	No	IARC Monographs	No	OSHA Regulated?	No	
Comments	Some studies indicate that this material increases the likelihood of cancer in animals.						

Section IV: First Aid

Eye Contact	
Skin Contact	
Inhalation	
Ingestion	



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Section V: Fire Fighting Measures

Flash Point (method used)	Flammable Limits	LEL	UEL
300F, closed cup		1.6	10
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			
Direct contact with pressurized water in firefighting can cause frothing and spread fire violently.			

Section VI: Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled
Shovel or sweep solids, avoiding spread of airborne dust. Absorb liquids with vermiculite or floor absorbant. Avoid entry into sewers or waterways. Consult the proper authorities before waste 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
Store in a cool, dry place in a closed container.
Other Precautions
Always avoid spreading respirable dust if material is in the solid phase.

Section VIII: Exposure Controls, Personal Protection

Respiratory Protection (Specify)	Dust mask or respirator is sufficient if material is in the solid phase. Use chemical cartridge if breathing mist is possible. Supplied-air or SCBA of circumstances require.		
Ventilation	Local Exhaust	Sufficient to keep ambient concentration below PEL.	
	Mechanical (General)	General or local	
	Special	None	Other None
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	514F	Specific Gravity (H2O = 1)	1.09
Vapor Pressure (mm Hg)	.01	Melting Point	82F
Vapor Density (Air = 1)	3.6	Evaporation Rate (Butyl Acetate = 1)	.01
Solubility In Water	Complete		
Appearance and Odor	State		Solid
Liquid or crystal, slight amine odor.			

Section X: Stability And Reactivity

Stability	Conditions to Avoid	None.
Stable		
Incompatibility (Material to Avoid)	Oxidizers, acids, carbonyl compounds, halogenated organics, acrylates.	
Hazardous Decomposition of Byproducts	Carbon Monoxide and dioxide, nitrogen oxides.	
Hazardous Polymerization	Conditions to Avoid	None.
Will not occur		

DOT Shipping Name: Other Regulated Substances, Liquid, N.O.S. (Diethanolamine)

Hazard Class: 9

UN Number: NA3082

PGIII

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