

MATERIAL SAFETY DATA SHEET

Manufacturer	K & E Chemical Co., Inc.	Identity (Trade Name As Used On Label)	DBX
	3960 E. 93 rd St.	General Use*	N/A
	Cleveland OH 44105	MSDS Number*	N/A
Phone Number (for Information)	(216) 341-0500	Date Prepared	1/15/2005
Emergency Phone Number	(216) 341-0500	Prepared By*	

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Components - Chemical Names & Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	%*	CAS No*	OSHA PEL	ACGIH TLV	Other Limits Recommended
Dimethyl Glutarate CAS #1119-40-0	50%				
N-Methylpyrrolidone CAS #872-50-4	25%				
Dimethyl Adipate CAS #627-93-0	13%				
Dimethyl Succinate CAS #106-65-0	12%				
Non-Hazardous Ingredients					
TOTAL	100				

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	200 C	Specific Gravity (Water = 1)	1.07
Vapor Pressure (mm Hg at Temperature)	1 mbar	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (_____ = 1)	Butyl Acetate 0.06
Solubility in Water	< 5%	Water Reactive	No

Appearance and Odor Colorless liquid, sweet odor

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method <input type="checkbox"/> Tagliabue <input type="checkbox"/> Setflash <input type="checkbox"/> Pensky-Martens <input checked="" type="checkbox"/> Not Applicable	Auto-Ignition Temperature N/A	Flammability Limits (%in Air by Volume) at 370 C LEL0.9 UEL8.0
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Extinguisher Media Foam, dry, CO₂, and water fog

Special Fire Fighting Procedures Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Unusual Fire and Explosion Hazards Can react with oxidizing materials.

SECTION 4 - REACTIVITY HAZARD DATA

STATE (Under Normal Handling and Storage Conditions) <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid None
	Incompatibility (Materials to Avoid) Strong acids, bases and oxidizing materials.
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions to Avoid None
Hazardous Decomposition Products	None Known

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	<input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Not Hazardous	CARCINOGEN LISTED IN	<input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph	<input type="checkbox"/> OSHA <input checked="" type="checkbox"/> Not Listed
HEALTH HAZARDS	Acute None Known			
	Chronic None Known			
Signs and Symptoms of Overexposure	Unknown			
Medical Conditions Generally Aggravated by Exposure	Unknown			
EMERGENCY FIRST AID PROCEDURES Seek Medical Assistance for Further Treatment, Observation and Support if Necessary	Eye Contact Flush with water for at least 15 minutes. Get medical attention.			
	Skin Contact Wash skin with water after contact. Wash contaminated clothing before reuse.			
	Inhalation If inhaled, remove to fresh air. If not breathing give mouth to mouth respiration. Call a physician.			
	Ingestion If swallowed, do not induce vomiting. Immediately give two glasses of water. Never give anything by mouth to an unconscious person.			

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Required Ventilation (enclosed areas)	<input type="checkbox"/> Local Exhaust (collect vapors at source) <input type="checkbox"/> Other (Specify)	<input checked="" type="checkbox"/> Mechanical (general)
Protective Gloves (Type and Construction)	Neoprene Rubber	
Eye Protection	Safety goggles	
Respiratory Protection	Where exposure to vapors or mist is likely, use respirator.	
Other Protective Clothing and Equipment	None	
Hygienic Work Practices	None	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is spilled or Released	Dike to prevent spreading. Recover liquid for disposal.
Waste Disposal Methods	Incinerate any free liquid or bury in an approved chemical landfill in conformance with Federal, State, and/or Local regulations.
Precautions to be Taken in Handling and Storage	Avoid contact with eyes. Wash thoroughly after handling. Avoid breathing vapor or mist. Use with adequate ventilation.
Other Precautions and/or Special Hazards	Keep this container and vapors from this container away from heat and flame. Keep container closed.

* Optional