

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

23

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

H HEALTH	1	F FLAMMABILITY	3	R REACTIVITY	0	P PERSONAL PROTECTION ACGIH, OSHA, NIOSH	A

SECTION I	
MANUFACTURER'S NAME DYKEM COMPANY	EMERGENCY TELEPHONE NO. (314)423-0100
ADDRESS 8501 Delport Drive, St. Louis, Missouri 63114	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS DYKEM REMOVER & THINNER 138
CHEMICAL FAMILY Remover and Thinner	FORMULA Does not apply

SECTION II - HAZARDOUS INGREDIENTS				
PAINTS, PRESERVATIVES & SOLVENTS	CAS REGISTRY NO.	%	TLV (Units)	
Solvents Denatured Alcohol	64-17-5	80	1000	
Solvents Butyl Acetate	123-86-4	20	150	
<p>"DYKEM" is the Registered Trade-mark of a line of Proprietary Products used by Industry since 1920. Never any harm to any of our employees who handle daily large volumes of raw materials and finished products. Containers are labeled with Caution Notices regarding flammability and use with adequate ventilation.</p>				

SECTION III - PHYSICAL DATA			
BOILING POINT (°F.)	165°F	SPECIFIC GRAVITY (H ₂ O=1)	.824@22.5°C
VAPOR PRESSURE (mm Hg.)	43.2mm@20°C	PERCENT VOLATILE BY VOLUME (%)	99
VAPOR DENSITY (AIR=1)	Heavier than air	EVAPORATION RATE (Butyl Acetate =1)	Faster than Butyl Acetate
SOLUBILITY IN WATER	Slightly		
APPEARANCE AND ODOR	Colorless. Mild odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	61°F TOC	FLAMMABLE LIMITS	1.8-19. LEL UEL
EXTINGUISHING MEDIA	Carbon Dioxide, Regular Foam, Dry Chemical		
SPECIAL FIRE FIGHTING PROCEDURES	Wear self-contained breathing apparatus in enclosed areas.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	Vapors are heavier than air and may travel along ground, or may be moved by ventilation and ignited by sparks, flame and other ignition sources.		

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PROPER SHIPPING NAME: DOT: PAINT FLAMMABLE LIQUID in Quart containers or larger;
HAZARD CLASS: DOT: FLAMMABLE LIQUID CONSUMER COMMODITY, ORM-D for Spray cans
I. D. NUMBER: UN-1263 and Smaller than quart containers
LABEL REQUIRED: RED FLAMMABLE LIQUID Label required for Quart containers or larger.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 840 (Estimated)

EFFECTS OF OVEREXPOSURE Irritation of nose and throat, redness and irritation of eyes. Excessive breathing of vapors can cause nausea and respiratory irritation.

EMERGENCY AND FIRST AID PROCEDURES If swallowed, drink 2 glasses of water, induce vomiting, call Physician. Flush eye, contact with water. If exposed to excessive vapors, remove to fresh air.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None
INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents			
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide or Carbon Dioxide			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Clean up in normal matter for flammables. Absorb in absorbent material.

WASTE DISPOSAL METHOD No waste normally, incinerate or normal disposal for flammables, in accordance with local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None needed under normal usage			
VENTILATION	LOCAL EXHAUST	Ordinary	SPECIAL None
	MECHANICAL (General)	Acceptable	OTHER None
PROTECTIVE GLOVES		EYE PROTECTION	
None needed with normal use		None needed under normal conditions	
OTHER PROTECTIVE EQUIPMENT None needed			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat and flame. Use with adequate ventilation.

OTHER PRECAUTIONS None