Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072



IDENTITY (As used on Label and List)	NOTE: Blank spaces are not
	permitted. If any item is not
	,
	applicable, or no information is
CHEMICAL FORMULA	available, the space must be
	marked to indicate that.

SECTION I — MANUFACTURE INFORMATION

MANUFACTURE'S NAME	TELEPHONE NUMBER
	EMERGENCY TELEPHONE NUMBER
ADDRESS (Number, street, City, State, ZIP Code)	
SIGNATURE OF PREPARER (optional)	DATE PREPARED (required)

SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific chemical identity; common name(s))	% of mixture (optional)	OSHA Permissible exposure limit (PEL)	ACGIH Threshold Limit Value (TLV)	Other limits recommended

SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	SPECIFIC GRAVITY (H2O = 1)
VAPOR PRESSURE (mmHg)	MELTING POINT
VAPOR DENSITY (AIR = 1)	EVAPORATION RATE
SOLUBILITY IN WATER	(BUTYL ACETATE = 1)
APPEARANCE AND ODOR	

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (<i>method used</i>)	FLAMMABLE LIMITS (% by volume)	LOWER EXPLOSION LIMIT	UPPER EXPLOSION LIMIT
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXLOSION HAZARDS			

SECTION V — REACTIVITY DATA

STABILITY (check one)	STABLE	CONDITIONS	
	UNSTABLE	TO AVOID	
INCOMPATIBILITY (materials to avoid)			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS			
HAZARDOUS POLYMERIZATION	YES	CONDITIONS	
CONCERN? (c <i>heck one)</i>	NO	TO AVOID	

SECTION VI — HEALTH HAZARD DATA

ROUTE(S) OF ENTRY (check all that apply)	INHALATION		SKIN		INGESTION	
CARCINOGENICITY	National Toxicology Program		IARC MONOGRAPH (if applicable)		OSHA REGULATED	
HEALTH HAZARDS (A)				
SIGNS AND SYMPTOM	1s of exposure					
MEDICAL CONDITION	S AGGRAVATED	BY E	XPOSURE			
EMERGENCY AND FIRST AID PROCEDURES						
SECTION VII DECAUTIONS FOR SAFE HANDLING AND USE						

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF MATERIAL RELEASE OR SPILL		
WASTE DISPOSAL METHOD		
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE		
OTHER PRECAUTIONS		

SECTION VIII — CONTROL MEASURES

	LOCAL EXHAUST	SPECIAL
ENGINEERING CONTROLS	MECHANICAL (general)	OTHER
PROTECTIVE GLOVES (specify type)		
EYE PROTECTION		
RESPIRATOR PROTECTION (specify type)		
OTHER PROTECTIVE CLOTHING OR EQUIPMENT		
WORK/HYGIENIC PRACTICES		