

MATERIAL SAFETY DATA SHEET

Form Approved
Bureau Budget No. 45-R0338

SECTION I	MANUFACTURER'S NAME AND FSCM (Federal Supply Code for Manufacturers)		EMERGENCY PHONE NO.	
	MOLECUDYNE INC.		5-12193 617-491-4529	
	ADDRESS (Number, Street, City, State, and ZIP Code)			
	201 MSGR O'BRIEN HIGHWAY, CAMBRIDGE, MA 02141			
	CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS	
	OPAQUING FLUID		DELETE	
SECTION II	CHEMICAL FAMILY		FORMULA	
	SOLVENT BASE PAINT		N/A 13-840	
	FEDERAL STOCK NUMBER (FSN)	GROSS WEIGHT (LBS)	OUTSIDE PACKAGE DIMENSIONS (Inches)	
	7510-00-176-8949	N/A	N/A	
	MIL-STD-1341/NATIONAL FIRE PROTECTION ASSOCIATION STD 704M SIGNAL			
FLAMMABILITY _____ HEALTH _____ REACTIVITY _____ SPECIFIC HAZARD _____				

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, AND SOLVENTS	%	THRESHOLD LIMIT VALUE (Units)	ALLOYS AND METALLIC COATINGS	%	THRESHOLD LIMIT VALUE (Units)
PIGMENTS	50	N/A	BASE METAL	0	
CATALYST	0		ALLOYS	0	
VEHICLE	10	N/A	METALLIC COATINGS	0	
SOLVENTS Chlorinated Hydrocarbons	40	500ppm	FILLER METAL PLUS COATING OR CORE FLUX	0	
ADDITIVES	10		OTHERS	0	
OTHERS	0				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	THRESHOLD LIMIT VALUE (Units)
None					

SECTION III	BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	
	179°F		1.4	
	VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
	8 mmHg @ 68°F		95%	
	VAPOR DENSITY (AIR=1)		EVAPORATION RATE (Ether = 1)	
4.53		2.7		
SECTION IV	SOLUBILITY IN WATER			
	0.1% @ 25%			
APPEARANCE AND ODOR				
white or colored liquid with solvent odor				

SECTION IV - FIRE AND EXPLOSION HAZARD DATA	FLASH POINT (Method used)		FLAMMABLE LIMITS	LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT
	None				
	EXTINGUISHING MEDIA				
	N/A				
	SPECIAL FIRE FIGHTING PROCEDURES in fire involving large quantities of product, self-contained breathing apparatus are recommended				
UNUSUAL FIRE AND EXPLOSION HAZARDS					
Hazardous decomposition products					

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SECTION V HEALTH HAZARD DATA	NIA		
	EFFECTS OF OVEREXPOSURE Safe when used as directed. Deliberate & prolonged inhalation (mis-use) of vapor may cause irritation, dizziness, drowsiness, headache, nausea, unconsciousness, coma, etc.		
	EMERGENCY AND FIRST AID PROCEDURES Inhalation (Abusive overexposure) - remove to fresh air; consult physician Ingestion - consult physician immediately Skin contact - Flush with soap & water		
	Tolerant if ingested		
SECTION VI REACTIVITY DATA	STABILITY	UNSTABLE	CONDITIONS TO AVOID
		STABLE	
	INCOMPATIBILITY (Materials to avoid)		
	HAZARDOUS DECOMPOSITION PRODUCTS Thermal degradation (open flame) can produce small amounts: phosgene, HCl, Chlorine		
SECTION VII SPILL AND LEAK PROCEDURES	HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
		WILL NOT OCCUR	NIA
	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Clean spill with towels, tissues, etc. Place in trash		
	WASTE DISPOSAL METHOD Normal trash disposal procedures are safe & adequate		

SECTION VIII - SPECIAL PROTECTION INFORMATION	NIA		
	VENTILATION	LOCAL EXHAUST	SPECIAL
	Normal	NIA	NIA
	MECHANICAL (General)	OTHER	NIA
SECTION IX SPECIAL PRECAUTIONS	PROTECTIVE GLOVES		EYE PROTECTION
	NIA		NIA
	OTHER PROTECTIVE EQUIPMENT		
	NIA		
SECTION X TRANS. DATA	PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING No unusual handling or storage when used as directed. Should store in cool area.		
	OTHER PRECAUTIONS NIA		
	PROPER SHIPPING (Article) NAME PAINT		DOT CLASSIFICATION 55
	DOT LABEL NIA	DOT MARKING NIA	EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURES (Same as above)
DOT PLACARD NIA		PRECAUTIONS TO BE TAKEN IN TRANSPORTATION NIA	