

**MATERIAL SAFETY DATA SHEET  
BUEHLER LTD.****SECTION 1 - MANUFACTURERS INFORMATION**

RESELLER	BUEHLER LTD. 41 WAUKEGAN RD. LAKE BLUFF IL. 60044	EMERGENCY TELEPHONE NUMBER TELEPHONE NUMBER FOR INFORMATION CONTACT PREPARATION/REVISION DATE WHMIS CLASSIFICATION	(800) 424-9300  (847) 295-6500 MSDS COORDINATOR 12-7-94 CLASS D2B
WHMIS REGULATION	CANADIAN WORKPLACE		
IDENTITY 20-3330-080 20-3340-080	DIALLYL PHTHALATE MINERAL DIALLYL PHTHALATE GLASS		

CHEMICAL NAME	N/A
CHEMICAL FAMILY	Diallyl Phthalate Molding Compound
FORMULA	N/I
PRODUCT CODE	N/A

HMIS	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PROTECTION	N/I

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL/COMMON NAME	CAS-NUMBER	OSHA-PEL	TLV-ACGIH	%
Glass Fiber	65997-17-3	N/E	10 mg/m <sup>3</sup>	< 50
Titanium Dioxide	1317-70-0	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	< 3

**NOTES**

DOT HAZARD CLASSIFICATION: NOT REGULATED

**SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT	N/A	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.6-1.9
VAPOR PRESSURE (mm Hg)	Negligible @ 20° C	MELTING POINT	N/I
VAPOR DENSITY (AIR = 1)	N/I	EVAPORATION RATE (BUTYL ACETATE = 1)	N/A
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Granular or flakes-ODOR: N/A		

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED)	N/A
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FLAMMABLE LIMITS		LEL	N/A	UEL	N/A
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**EXTINGUISHING MEDIA**Water fog, dry chemical, CO<sub>2</sub>

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**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**

Avoid breathing fumes generated in a fire.

**SECTION 5 - REACTIVITY DATA**

**STABILITY**

UNSTABLE		CONDITIONS TO AVOID	None
STABLE	X		

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

None at normal use conditions; oxides of carbon and/or aromatic hydrocarbons may be generated on exposure to high temperatures.

**HAZARDOUS POLYMERIZATION**

MAY OCCUR		CONDITIONS TO AVOID	None
WILL NOT OCCUR	X		

**SECTION 6 - HEALTH HAZARD DATA**

**ROUTE(S) OF ENTRY**

INHALATION	X
SKIN	X
INGESTION	X
EYES	X

**HEALTH HAZARD (ACUTE AND CHRONIC)**

Dust will cause nose and throat irritation. Product dust will be moderately irritating to eyes and irritating to skin upon repeated or prolonged contact. IARC has listed glass wool fiber as a Class 2B possible human carcinogen based on laboratory studies.

**CARCINOGENICITY**

NTP ?	N/I
IARC MONOGRAPHS ?	YES (POSSIBLE HUMAN CARCINOGEN)
OSHA REGULATED ?	N/I

**SIGNS AND SYMPTOMS OF EXPOSURE**

SEE HEALTH HAZARD (ACUTE AND CHRONIC)

**MEDICAL CONDITIONS**

**GENERALLY AGGRAVATED BY EXPOSURE**

SEE HEALTH HAZARD (ACUTE AND CHRONIC)

**EMERGENCY AND FIRST AID PROCEDURES**

**INHALATION:** Move subject to fresh air. Give artificial respiration if breathing has stopped. **EYE CONTACT:** Flush eyes with large amount of water for a least 15 minutes. See a physician if irritation persists. **SKIN CONTACT:** Wash affected areas with soap and water. See a physician if irritation persists. **INGESTION:** If ingested, seek medical attention.

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**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Sweep up and return spill to container suitable for recovery or disposal. Keep dust to a minimum. **REPORTABLE QUANTITY:** Remove contaminated clothing and wash affected skin areas with soap and water. Wash clothing before reuse.

**WASTE DISPOSAL METHOD**

Dispose of in accordance with Local, State and Federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Store indoors at temperatures not to exceed 200° F. For product usefulness store below 75° F.

**OTHER PRECAUTIONS**

Avoid breathing fumes from molding or other heating operations. Avoid breathing dusts from cutting, machining or deburring operations. Avoid high concentrations of dust in air and accumulation of dust on equipment. A fine dust of this material can create a dust explosion hazard.

**SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION (SPECIFY TYPE)**

Wear suitable respirator (MSHA/NIOSH - approved or equivalent) where exposure limits are exceeded.

**VENTILATION**

<b>LOCAL EXHAUST</b>	Mechanical local exhaust ventilation at point of contaminant release.
<b>MECHANICAL</b>	N/A
<b>SPECIAL</b>	N/I
<b>OTHER</b>	N/I

**PROTECTIVE GLOVES**

Cotton or canvas

**EYE PROTECTION**

Safety glasses (ANSI Z87.1 or approved equivalent).

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

None required

**WORK / HYGIENIC PRACTICES**

Good personal hygiene to be followed at all times.

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N/A = NOT APPLICABLE

N/E = NOT ESTABLISHED

N/I = NO INFORMATION