

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

RESELLER BUEHLER LTD.
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TELEPHONE NUMBER
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CONTACT MSDS COORDINATOR
PREPARATION/REVISION DATE 12-7-94
WHMIS CLASSIFICATION 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 ³	< 50
Titanium Dioxide	1317-70-0	10 mg/m ³	10 mg/m ³	< 3

NOTES

DOT HAZARD CLASSIFICATION: NOT REGULATED

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	N/A	SPECIFIC GRAVITY (H ₂ 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 MEDIAWater fog, dry chemical, CO₂

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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

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

THE DATA AND INFORMATION AS STATED WAS FURNISHED BY THE MANUFACTURER AND SUPPLIER OF THIS PRODUCT. BUEHLER LTD CANNOT WARRANT THE ACCURACY OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY DAMAGE THAT MAY RESULT, SHOULD ANY OF THE INFORMATION BE ERRONEOUS.

N/A = NOT APPLICABLE

N/E = NOT ESTABLISHED

N/I = NO INFORMATION