

Material Safety Data Sheet

(17994-30)

Section 1: Chemical Product and Company Identification

Product Name: Meltmount (1.582)

Catalog Number: 17994-30

CAS#: Trade Secret

Contact Information:

Electron Microscopy Sciences

1560 Industry Road

Hatfield, PA 19440

1-215-412-8400 (phone)

1-800-523-5874 (toll-free)

1-215-412-8450 (fax)

Order Online: emsdiasum.com

CHEMTREC (24-Hour Emergency

Telephone), call: 1-800-424-9300

Section 2: Composition and Information on Ingredients

Hazardous Components	Common Name (S)	OSHA PEL Ceiling	ACGIH TLV T.W.A.	Other Limits Recommended	% (Optional)
Trade Secret	Halogenated Diphenyl Oxide			TLV N.E. but 0.25 mg/cubic meter recommended	
Trade Secret	Natural hydrocarbons		5 mg/cu meter		

* PEL ceilings and TLV. T.W.A.s if any should not occur if C.I.U. and Sections 7 and 8 followed.

Note: Product normally sold in 1oz quantities. Used in single drop to a few cubic centimeters per application. See requisitioner for specific quantities involved.

Section 3: Hazards Identification

Route(s) of Entry: **Inhalation:** Possible **Skin:** Possible **Mucous membranes/eyes?:** Possible **Ingestion:** Possible
(Not likely at C.I.U.)

Health Hazards (Acute and Chronic): There is potential for damage to health from long-term chronic exposure by ingestion, inhalation, or dermal contact at high levels. May cause eye irritation, chronic oral exposure to low levels may result in liver damage. Not likely at C.I.U.

Carcinogenicity Listed: **NTP:** No **IARC Monographs:** No **OSHA Carcinogen:** No

Signs and Symptoms of Exposure: Tacky feel on skin. May cause eye irritation. Chronic oral exposure to low levels may result in liver damage. Exposure is very unlikely. See C.I.U. and under Section 7 and 8. Medical Conditions Generally aggravated by exposure: N.D.F.

Section 4: First Aid Measures

Emergency and First Aid Procedures: Include possible material that may have been mixed with liquid during use.

Inhalation: Remove to fresh air, consult physician.

Skin: If in molten state, flush with water. Contact physician immediately.

Eyes: Flush with low pressure water for 15 minutes. Contact physician immediately.

Ingestion: Wash out of mouth, contact physician immediately.

Section 5: Fire and Explosion Data

Flash Point (cup method used): >400°F (204°C) C.O.C. **Flammable Limits: LEL:** N.D.F. **UEL:** N.D.F.
Extinguishing Media: Carbon dioxide, dry chemical, foam or water spray.
Special fire fighting procedures: Use N.I.O.S.H./MESA-approved S.C.B.A.
Unusual Fire and Explosion Hazards: Combustion with other fuels may release hydrogen bromide and/or bromine vapors. Finely divided dust may be flammable (not likely at C.I.U.).

Section 6: Accidental Release Measures

Steps to be taken in case material is released or spilled: Absorb or scrape up, place in plastic (polyethylene or polypropylene) container, cap or twist tie closure.

Section 7 : Handling and Storage

Precautions to be taken in Handling and Storing: Store between 65°F and 90°F (18°C and 32°C).
Wear protective gloves and avoid inhaling vapors when working with this product in its molten state.

Section 8: Exposure Controls/Personal Protection

Respiratory Protection:

Ventilation: Local exhaust mandatory – work in fume removing hood when this product is in its molten state.

Special: N/A

Mechanical (General): * Other: N/A

Protective Gloves: Mandatory when this product is in its molten state, plastic coated and insulated.

Eye protection: Mandatory when this product is in its molten state.

Other protective Clothing or Equipment: Lab apron recommended as protection from hot spills.

* - Not mandatory except as good laboratory industrial practices. Always use good hygienic work/practices as to housekeeping, personal hygiene, use of chemical lab apron and splash goggles. Avoidance of vapors, prolonged and repeated skin contact.

Special Precautions: N/A

Section 9: Physical and Chemical Properties

Boiling Point at 760 mmHg: N.D.F.

Vapor Pressure in mmHg (temp.): 73°F: N.D.F.

Vapor Density: (Air=1) at (mm Hg & temp.):
760 73°F: N.D.F.

Solubility in water at (mm Hg & temp.):
760 73°F: N.D.F.

Specific Gravity (H₂O=1) temp. 23°C/73°F: 1.04-2.46

Melting Point: 65°C: 149°F

Evaporation Rate at 760 mmHg & 23°C/73°F:
(mineral oil = 1): <1

Appearance: Colorless to amber

Odor: soft solid, slight characteristic odor

Section 10: Stability and Reactivity Data

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility (Materials and/or Conditions to Avoid): None

Conditions to Avoid: None

Section 11: Toxicological Information

Not available.

Section 12: Ecological Information

Not available.

Section 13: Disposal Considerations

All chemical disposals must be in accordance with current local, state, and federal regulations.

Section 14: Transport Information

Follow guidelines.

Section 15: Other Regulatory Information

Section 16: Other Information:

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