

Material Safety Data Sheet Issue Date: 11/13/2003
Section 1: Chemical Product and Company Identification

Cat#: 15924B

Part Name: CROSSLINKER D (USE CAT. #01319 LOWICRYL HM20

Supplier: Polysciences, Inc.

400 Valley Road
Warrington, PA 18976
Telephone #215-343-6484

Section 2: Composition/ Information on Ingredients

| Item# | Name | CAS# | % in Product |
|-------|--|-----------|--------------|
| 1 | 2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl)ester | 000109160 | 100 |
| 2 | Hydroquinone | 000123319 | 0.001 |

OSHA (ACGIH) Exposure Limits

| CAS# | IDHL | TWA | | STEL | | CEILING | |
|-----------|----------|-----|-------|------|-------|---------|-------|
| | | ppm | mg/m3 | ppm | mg/m3 | ppm | mg/m3 |
| 000109160 | NE | | | | | | |
| | OSHA: | NE | NE | NE | NE | NE | NE |
| | ACGIH: | NE | NE | NE | NE | NE | NE |
| 000123319 | 50 mg/m3 | | | | | | |
| | OSHA: | Not | 2 | -- | -- | -- | -- |
| | ACGIH: | -- | 2 | -- | -- | -- | -- |

Section 3: Hazards Identification

Low hazard for usual industrial or commercial handling.

Hazard Ratings:

These ratings are Polysciences' Inc. own assesments of the properties of the material using the ANSI/NFPA 704 Standard.

Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

| Health | Flammability | Reactivity |
|--------|--------------|------------|
| 2 | ----- 1 | ----- 2 |

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If swallowed, NO NOT INDUCE vomiting. Give 8 oz. of water or milk to drink.

Call a physician or the POISON CONTROL CENTER immediately. Never give anything by mouth to an unconscious person.

Separate eyelids with finger tips.

Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: 206 Method: PMCC

UEL: no data LEL: no data Autoignition temperature, deg. F.: no data

Flammability Classification: nap Flame Propagation Rate: no data

Hazardous Combustion Products: none

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

No special measures are indicated.

Section 7: Handling and Storage

Store at 4 deg. C.

Section 8: Exposure Controls/ Personal Protection

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves. No special protection is indicated.

Section 9: Physical and Chemical Properties

Formula: C14H22O6 vapor pressure: no data
Formula Weight: 286.2 vapor density: no data
boiling point: no data Specific gravity: 1.07
melting point: no data ph: no data
solubility: negligible appearance: clear colorless liquid mild

Section 10: Stability and Reactivity

Chemical Stability: stable
Conditions to Avoid: heat
Incompatibility with other materials: oxidizers; initiators
Hazardous Decomposition Products: none
Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: no data
Subchronic data: no data

Section 12: Ecological Information

no data

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

| CAS# | Waste Code | Regulated Name |
|-----------|------------|----------------|
| 000109160 | not listed | not listed |
| 000123319 | not listed | not listed |

Section 14: Transportation Data

Refer to bill of lading or container label for DOT or other transportation hazard classification , if any.

Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

| CAS# | Column A | Column B |
|-----------|----------|----------|
| 000109160 | no | no |
| 000123319 | no | no |

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#
000109160 not listed
000123319 FL MA MI MN PA WA

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)
This list identifies the toxic chemicals, including their de minimis
concentrations for which reporting is required under Section 313 of the
Emergency

Planning and Community Right-to-Know Act (EPCRA). The list is also referred to
as the Toxics Release Inventory (TRI) List.

| CAS# | Regulated Name | de minimis conc. | %Rep. Thres. |
|-----------|----------------|------------------|--------------|
| 000109160 | not listed | not listed | not listed |
| 000123319 | Hydroquinone | 1.0 | not listed |

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and
extremely hazardous substances regulated under Section 302
of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355,
Appendices A and B.

| CAS# | Regulated Name | TPQ (pounds) | EHS-RQ(pounds) |
|-----------|----------------|--------------|----------------|
| 000109160 | not listed | not listed | not listed |
| 000123319 | Hydroquinone | 500/10,000 | 100 |

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in
the federal regulations at 40 CFR Part 302, Table 302.4. Release of a

CERCLA hazardous substance in an amount equal to or greater than its RQ, in any
24-hour period, must be reported to the National Response
Center at (800) 424-8802.

| CAS# | Regulated name | RQ pounds |
|-----------|----------------|------------|
| 000109160 | Not listed | Not listed |
| 000123319 | Not listed | Not listed |

Section 16: Other Information

POLYSCIENCES, INC. provides the information contained herein in good faith but
makes no representation as to its comprehensiveness or
accuracy. Individuals receiving this information must exercise their
independent judgment in determining its appropriateness for a particular
purpose. POLYSCIENCES, INC. makes no representations or warranties, either
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END OF MSDS