

# SAFETY DATA SHEET (SDS)

**Manufacturer:**

Hernon®

**Product Name:**

Hernon Tuffbond® 302 Fast Cure Epoxy, Room Temperature Cure (50ml)

**Manufacturer Part Number:**

TB302-50ML

▶ [Click here for more details on the Hernon Tuffbond® 302 Fast Cure Epoxy, Room Temperature Cure \(50ml\)](#)

## **HERNON®** Formulating Solutions

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

SAFETY DATA SHEET

### Tuffbond 302B

#### SECTION 1: IDENTIFICATION

**1.1. Product identifier**

*Trade name:* Tuffbond 302B

*Product no.:* MS-302B

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

*Relevant identified uses of the substance or mixture:* Adhesive  
Restricted to professional users.

*Uses advised against:* None known.

**1.3. Details of the supplier of the safety data sheet**

*Company and address:* **Hernon Manufacturing Inc**  
121 Tech Drive  
FL 32771 Sanford  
USA  
T: +1-407-322-4000  
www.hernon.com

*Contact person:* Hernon SDS Coordinator  
*E-mail:* customerservice@hernon.com

*SDS date:* 6/27/2025

*SDS Version:* 3.0

*Date of previous version:* 2/19/2025 (3.0)

**1.4. Emergency telephone number**

Contact the poison control at 1-800-222-1222 (24/7) or use the webpoisoncontrol (triage.webpoisoncontrol.org) to get specific guidance for your case.

VelocityEHS:

+1-800-255-3924 (USA)  
+1-813-248-0585 (International)  
1-300-954-583 (Australia)  
0-800-591-6042 (Brazil)  
400-120-0751 (China)  
000-800-100-4086 (India)  
800-099-0731 (Mexico)  
Contract #: (MIS0002665)

#### SECTION 2: HAZARD(S) IDENTIFICATION

**OSHA/HCS status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

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### 2.1. Classification of the substance or mixture

Skin Sens. 1; H317, May cause an allergic skin reaction.

### 2.2. Label elements

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

May cause an allergic skin reaction. (H317)

Precautionary statement(s):

General:

-

Prevention:

Avoid breathing mist/vapour. (P261)  
Contaminated work clothing should not be allowed out of the workplace. (P272)  
Wear eye protection/protective clothing. (P280)

Response:

If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)  
Take off contaminated clothing and wash it before reuse. (P362+P364)

Storage:

-

▼ Disposal:

Dispose of contents/container in accordance with local regulation. (P501)

Additional labelling:

Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Mercaptan Terminated Polymer	CAS No.: 72244-98-5	60-100%	Skin Sens. 1, H317	
2,4,6-tris(dimethylaminomethyl)phenol	CAS No.: 90-72-2	5-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

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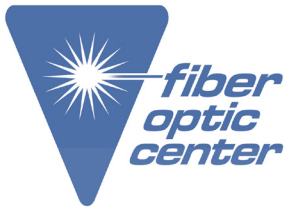
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### SECTION 4: FIRST-AID MEASURES

**4.1. Description of first aid measures**

*General information:*

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

*Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

*Skin contact:*

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

*Eye contact:*

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

*Ingestion:*

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:*

Not applicable.

**4.2. Most important symptoms and effects, both acute and delayed**

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**Information to medic**

Bring this safety data sheet or the label from this product.

### SECTION 5: FIRE-FIGHTING MEASURES

**5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

**5.2. Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

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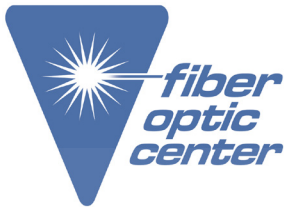
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Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides (CO / CO<sub>2</sub>)

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid direct contact with spilled substances.  
Ensure adequate ventilation, especially in confined areas.  
Contaminated areas may be slippery.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.  
Keep unauthorized persons away from the spill

**6.3. Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.  
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: HANDLING AND STORAGE

**7.1. Precautions for safe handling**

Avoid contact during pregnancy and while nursing.  
Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

**7.2. Conditions for safe storage, including any incompatibilities**

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

*Recommended storage material:* Always store in containers of the same material as the original container.

*Storage conditions:* Keep at temperatures between 7 and 29 °C.

*Incompatible materials:* Acids  
Amines  
Strong oxidizing agents

**7.3. Specific end use(s)**

This product should only be used for applications quoted in section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contact the professionals at Fiber Optic Center for a quote or to get more details.

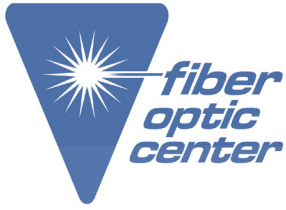
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**8.1. ▼ Control parameters**

ethylbenzene

Short term exposure limit (STEL) (NIOSH REL) (ppm): 125

Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 435

Long term exposure limit (OSHA Table Z-1) (ppm): 100

Long term exposure limit (ACGIH TLV) (ppm): 20

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

**8.2. ▼ Exposure controls**

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

**▼ Exposure limits:**

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

**▼ Appropriate technical measures:**

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

*Hygiene measures:*

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

*Measures to avoid environmental exposure:*

No specific requirements.


**Individual protection measures, such as personal protective equipment***Generally:*

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

*Respiratory Equipment:*

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

*Skin protection:*

Recommended	Type/Category	Standards	
-	Protective Clothing		

*Hand protection:*

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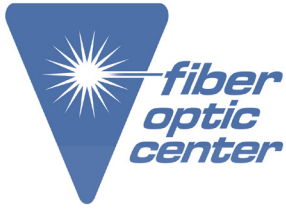
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Nitrile Rubber

Eye protection:

Type	Standards	
Safety glasses with side shields.	EN166	

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Amber
Odor:	Mild
Odor threshold (ppm):	No data available
pH:	No data available
Density (g/cm <sup>3</sup> ):	1.14
Kinematic viscosity:	No data available
Particle characteristics:	No data available

#### Phase changes

Melting point/freezing point (°F):	No data available
Softening point/range (°F):	Does not apply to liquids.
Boiling point (°F):	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available
Decomposition temperature (°F):	No data available

#### Data on fire and explosion hazards

Flash point (°F):	>300
Flash point (°C):	>149
Flammability (°F):	No data available
Auto-ignition temperature (°F):	No data available
Explosion limits (% v/v):	No data available

#### Solubility

Solubility in water:	Slightly soluble
n-octanol/water coefficient (LogKow):	No data available
Solubility in fat (g/L):	No data available

#### 9.2. Other information

Evaporation rate (n-butylacetate = 100):	No data available
Other physical and chemical parameters:	No data available.

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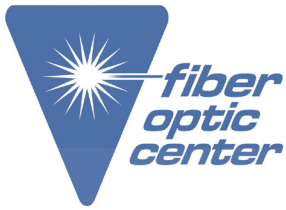
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*Oxidizing properties:* No data available

### SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies**

None known.

**10.4. Conditions to avoid**

Incompatible Materials

Extremes of temperature

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

**10.5. Incompatible materials**

Acids

Amines

Strong oxidizing agents

**10.6. ▼ Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

**Skin sensitisation**

May cause an allergic skin reaction.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

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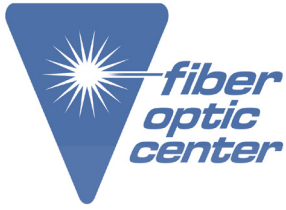
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**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Long term effects**

None known.

**▼ Other information**

ethylbenzene has been classified by IARC as a group 2B carcinogen.

### SECTION 12: ECOLOGICAL INFORMATION

**12.1. ▼ Toxicity**

Based on available data, the classification criteria are not met.

**12.2. Persistence and degradability**

Based on available data, the classification criteria are not met.

**12.3. Bioaccumulative potential**

Based on available data, the classification criteria are not met.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. Other adverse effects**

None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

**RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)**

None of the components are listed

**Specific labelling****Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	UN3334	AVIATION REGULATED LIQUID, N.O.S. (Mercaptan Terminated Polymer)	Transport hazard class: 9 Classification code: M11	III	No	See below for additiona

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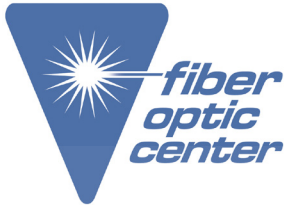
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14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
					I informati on.

\* Packing group

\*\* Environmental hazards

**Additional information**

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to IMO instruments**

No data available.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. ▼ U.S. Federal regulations**

*TSCA (the non-confidential portion):*

Mercaptan Terminated Polymer is listed  
2,4,6-tris(dimethylaminomethyl)phenol is listed  
ethylbenzene is listed

▼ *Clean Air Act:*

ethylbenzene is regulated as a hazardous air pollutant (HAPS)

*EPCRA Section 302:*

None of the components are listed

*EPCRA Section 304:*

None of the components are listed

▼ *EPCRA section 313:*

ethylbenzene is listed

▼ *CERCLA:*

ethylbenzene is regulated with a Reportable Quantity (RQ) of: 1000 pounds

*Hazardous chemical inventory reporting:*

This product is subject to Tier II reporting.

**▼ State regulations**

▼ *California / Prop. 65:*

ethylbenzene is known to cause: Cancer  
NSRL/MADL (µg/day): 54 (inhalation) 41 (oral)

▼ *Massachusetts / Right To Know Act:*

ethylbenzene is listed

▼ *New Jersey / Right To Know Act:*

ethylbenzene / Substance number: 0851  
ethylbenzene is on the Special Health Hazard Substance List

▼ *New York / Right To Know Act:*

ethylbenzene is listed  
ethylbenzene is regulated with a Reportable Quantity (RQ)

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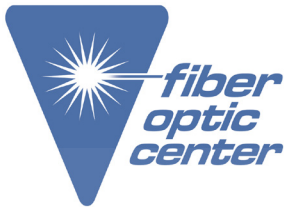
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of: 1000 pounds  
ethylbenzene is regulated with a Threshold Reporting Quantity (TRQ) of: 0 pounds  
—  
▼ *Pennsylvania / Right To Know Act:* ethylbenzene is listed  
ethylbenzene is hazardous to the environment (E)  
—

**15.4. Restrictions for application**

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

**15.5. Demands for specific education**

No specific requirements.

**15.6. Additional information**

Not applicable.

**15.7. Chemical safety assessment**

No

**15.8. Sources**

OSHA Hazard Communication Standard (29 CFR 1910.1200)

**SECTION 16: OTHER INFORMATION****Full text of H-phrases as mentioned in section 3**

H302, Harmful if swallowed.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

**The full text of identified uses as mentioned in section 1**

None known.

**Abbreviations and acronyms**

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances

EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HCIS = Hazardous Chemical Information System

HNOC = Hazards Not Otherwise Classified

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

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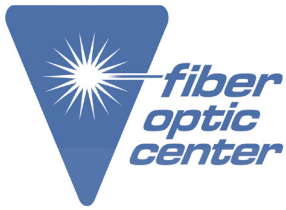
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FOC last update 6/18/2026.

# SAFETY DATA SHEET (SDS)

**Manufacturer:**

Hernon®

**Product Name:**

Hernon Tuffbond® 302 Fast Cure Epoxy, Room Temperature Cure (50ml)

**Manufacturer Part Number:**

TB302-50ML

▶ [Click here for more details on the Hernon Tuffbond® 302 Fast Cure Epoxy, Room Temperature Cure \(50ml\)](#)

## **HERNON®** Formulating Solutions

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TSCA = The Toxic Substances Control Act  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

**Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

**The safety data sheet is validated by**

SDS Coordinator

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

23 Centre Street • New Bedford, MA 02740 USA • [focenter.com](http://focenter.com)

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