

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)

MS-302AB / Tuffbond 302AB

Revision Date 13-Sep-2023



SAFETY DATA SHEET

Issue Date 30-Jun-2015

Revision Date 12-Sep-2023

Version 2

1. IDENTIFICATION

Product identifier

Product Name Tuffbond 302B

Other means of identification

Product Code MS-302B

UN/ID no. UN 3082

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Hardener.

Uses advised against None known

Details of the supplier of the safety data sheet

Manufacturer Address
Hernon Manufacturing Inc.
121 Tech Drive
Sanford, FL 32771
800-527-0004

Emergency telephone number

Company Phone Number 407-322-4000

Emergency Telephone Chemtel 800-255-3924

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Skin sensitization	Category 1B

Label elements

Emergency Overview

Warning

Hazard statements

Harmful if swallowed
Harmful in contact with skin
May cause an allergic skin reaction

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Appearance No Information Available **Physical state** Liquid **Odor** Mercaptan-like

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace

IF ON SKIN: Wash with plenty of soap and water
Call a POISON CENTER or doctor/physician if you feel unwell
Wash contaminated clothing before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Causes mild skin irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
MERCAPTAN TERMINATED POLYMER	72244-98-5	60 - 100	*
SUBSTITUTED AMINOPHENOL	90-72-2	5 - 10	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash with soap and water. Flush skin with water for several minutes. Remove contaminated clothing and shoes. If irritation develops, seek medical attention. Wash clothing before reuse.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.

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Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms No Information Available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media Water jet.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water. See section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin and eyes. Avoid breathing fumes from hot material. Wash thoroughly after handling. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities

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Storage Conditions Keep at temperatures between 7 and 29 °C.

Incompatible materials Acids. Amines. Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection 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.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mercaptan-like
Appearance	No Information Available	Odor threshold	No Information Available
Color	Light amber		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	No Information Available		
Melting point / freezing point	No Information Available		
Boiling point / boiling range	> 149 °C / 300 °F		
Flash point	> 149 °C / 300 °F		
Evaporation rate	No Information Available		
Flammability (solid, gas)	No Information Available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No Information Available		
Vapor density	No Information Available		
Relative density	1.14		
Water solubility	Slightly soluble		
Solubility in other solvents	No Information Available		
Partition coefficient	No Information Available		
Autoignition temperature	No Information Available		
Decomposition temperature	No Information Available		
Kinematic viscosity	No Information Available		
Dynamic viscosity	No Information Available		
Explosive properties	No Information Available		
Oxidizing properties	No Information Available		

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Other Information

Softening point No Information Available
Molecular weight No Information Available
VOC Content (%) No Information Available
Density No Information Available
Bulk density No Information Available

10. STABILITY AND REACTIVITY**Reactivity**

Not applicable

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Incompatible materials.

Incompatible materials

Acids. Amines. Oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Hydrogen sulfide. Oxides of sulfur.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation No known effect based on information supplied.
Eye contact No known effect based on information supplied.
Skin contact No known effect based on information supplied.
Ingestion No known effect based on information supplied.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
SUBSTITUTED AMINOPHENOL 90-72-2	= 1200 mg/kg (Rat)	= 1280 mg/kg (Rat)	-

Information on toxicological effects

Symptoms No Information Available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No Information Available.
Germ cell mutagenicity No Information Available.
Carcinogenicity No Information Available.
Reproductive toxicity No Information Available.
STOT - single exposure No Information Available.
STOT - repeated exposure No Information Available.

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Aspiration hazard No Information Available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 1,200.00 mg/kg
ATEmix (dermal) 1,280.00 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Yes

Persistence and degradability

No Information Available.

Bioaccumulation

No Information Available.

Other adverse effects

No Information Available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT

UN/ID no. UN 3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Mercaptan terminated polymer)
Hazard Class 9
Packing Group III
Special Provisions 8, 146, 173, 335, IB3, T4, TP1, TP29
Marine pollutant Yes.
Description Note: Not regulated for ground transport

IATA

UN/ID no. UN 3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Mercaptan terminated polymer)
Hazard Class 9
Packing Group III
Special Provisions A97, A158, A197
Description Limited Quantities: 5L, 30 kg gross weight

IMDG

UN/ID no. UN 3082

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Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Mercaptan terminated polymer)
Hazard Class	9
Packing Group	III
EmS-No.	F-A, S-F
Special Provisions	274, 335, 969
Marine pollutant	Yes
Description	Limited Quantities: 5L, 30 kg gross weight

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

All ingredients are on the inventory or are exempt from listing.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

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This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know RegulationsU.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 2	Flammability 2	Instability 1	Physical and Chemical Properties Not applicable
<u>HMS</u>	Health hazards 2	Flammability 2	Physical hazards 1	Personal protection B

Prepared By SDS coordinator
Issue Date 30-Jun-2015
Revision Date 12-Sep-2023

Revision Note

No Information Available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

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