

SAFETY DATA SHEET (SDS)



Manufacturer:
Hernon®

Product Name:
Hernon® Tuffbond® 302 General Room Temp Cure Epoxy (50ml)

Manufacturer Part Number:
TB302-50ML

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



SAFETY DATA SHEET

Issue Date 08-Jun-2015

Revision Date 13-Sep-2023

Version 5

1. IDENTIFICATION

Product identifier

Product Name Tuffbond 302A

Other means of identification

Product Code MS-302A

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Adhesives.

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)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

Label elements

Emergency Overview

Warning

Hazard statements
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction

The warning section contains two red diamond-shaped hazard symbols. The first symbol contains a black exclamation mark, indicating a general warning. The second symbol contains a black silhouette of a dead tree and a dead fish, indicating environmental hazards.

Data is subject to change without notice.

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MS-302AB / Tuffbond 302AB

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Appearance opaque	Physical state Liquid	Odor Mild
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Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
BISPHENOL A EPOXY RESIN	25068-38-6	60 - 100	*

*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.

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 None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing mediaUse CO₂, dry chemical, or foam.**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.**Specific hazards arising from the chemical**

None in particular.

Hazardous combustion products Irritating organic vapors.**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. Collect spillage. See section 12 for additional ecological information. Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant.**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, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Ensure adequate ventilation, especially in confined areas.**Conditions for safe storage, including any incompatibilities****Storage Conditions** Keep at temperatures between 46°F and 82°F (8°C and 28°C).**Incompatible materials** Acids. Bases. Amines. Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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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. Use rubber or plastic gloves.

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

Appearance

opaque

Color

White

Odor

Mild

Odor threshold

Not applicable

Property**Values****Remarks • Method****pH**

Does not apply

Melting point / freezing point

No Information Available

Boiling point / boiling range

> 260 °C / 500 °F

Flash point

> 252 °C / 486 °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

0.03 hPa @ 77 °C

Vapor density

No Information Available

Relative density

1.18

Water solubility

Insoluble in water

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

None known

Oxidizing properties

Not applicable

Other Information**Softening point**

No Information Available

Molecular weight

No Information Available

VOC Content (%)

Not applicable

Density

No Information Available

Bulk density

No Information Available

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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. Bases. Amines. Oxidizing agents.

Hazardous Decomposition ProductsCarbon monoxide. Carbon dioxide (CO₂).

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
BISPHENOL A EPOXY RESIN 25068-38-6	= 11400 mg/kg (Rat)	-	-

Information on toxicological effects**Symptoms** See Section 11: TOXICOLOGICAL INFORMATION.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Sensitization	None known.
Germ cell mutagenicity	None known.
Carcinogenicity	.
Reproductive toxicity	None known.
STOT - single exposure	No known effects under normal use conditions.
STOT - repeated exposure	None under normal use conditions.
Aspiration hazard	Not applicable.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 11,844.20 mg/kg

12. ECOLOGICAL INFORMATION

Data is subject to change without notice.

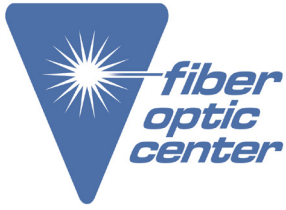
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MS-302AB / Tuffbond 302AB**Revision Date** 13-Sep-2023**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

Persistence and degradability

None known.

Bioaccumulation

None known.

Other adverse effects**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** Not regulated**IATA**

UN/ID no.	UN 3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin)
Hazard Class	9
Packing Group	III
Special Provisions	A97, A158, A197
Description	Limited Quantities: 5L, 30 kg per package

IMDG

UN/ID no.	UN 3082
Proper shipping name	3082 - Environmentally hazardous substances, liquid, n.o.s.
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 per package

ADR

UN/ID no.	UN 3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing Group	III
Tunnel restriction code	E
Special Provisions	Limited Quantities: 5L

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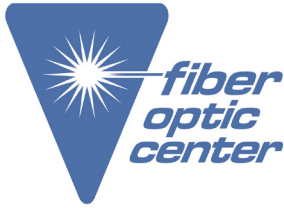
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15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDL	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/NDL - 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**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

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

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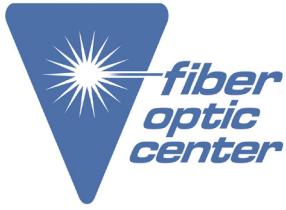
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<u>NFPA</u>	Health hazards	2	Flammability	1	Instability	0	Physical and Chemical Properties	Not applicable
<u>HMIS</u>	Health hazards	2	Flammability	1	Physical hazards	0	Personal protection	B

Prepared By SDS coordinator
Issue Date 08-Jun-2015
Revision Date 13-Sep-2023

Revision Note
Not applicable

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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