

# SAFETY DATA SHEET

Issue Date 30-Dec-2022 Revision Date 01-May-2023 Version 1

#### 1. IDENTIFICATION

Product identifier

Product Name Tuffbond 397

Other means of identification

Product Code MS-397 Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Epoxy Adhesive.
Uses advised against Epoxy Adhesive.
None known

Details of the supplier of the safety data sheet

Manufacturer Address Hernon Manufacturing Inc. 121 Tech Drive Sanford, FL 32771

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 1
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 2

### Label elements

#### **Emergency Overview**

### Danger

### Hazard statements

Causes skin irritation

Causes serious eye damage

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction

Suspected of causing genetic defects

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

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Appearance Paste Physical state Liquid Odor Unpleasant

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

In case of inadequate ventilation wear respiratory protection

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

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

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

### **Precautionary Statements - Storage**

Store locked up

#### **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	*

<sup>\*</sup>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.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use 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

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.

#### 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 Store refrigerated.

**Incompatible materials** Acids. Bases. 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. 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 stateLiquidAppearancePasteOdor

AppearancePasteOdorUnpleasantColorAmberOdor thresholdNot applicable

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH Does not apply
Melting point / freezing point Not applicable

Evaporation rate Not applicable Flammability (solid, gas) Not applicable Flammability Limit in Air

Upper flammability limit: No information available Lower flammability limit: No information available

Vapor pressure <5 mm @80°F Vapor density <5 mm @80°F Not applicable

Relative density 1.19

Water solubility Slightly soluble Not applicable Solubility in other solvents Partition coefficient Not applicable Not applicable **Autoignition temperature Decomposition temperature** Not applicable Kinematic viscosity Not applicable Not applicable Dynamic viscosity **Explosive properties** None known

#### **Other Information**

**Oxidizing properties** 

Softening point
Molecular weight
VOC Content (%)
Density
Not applicable
Not applicable
Not applicable
Not applicable
Not applicable

### 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 Products**

Carbon monoxide. Carbon dioxide (CO2).

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

#### **Product Information**

**Inhalation** No known effect based on information supplied.

Not applicable

**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	= 11400 mg/kg (Rat)	Not applicable	Not applicable
25068-38-6		' '	' '

### 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 None known.
Reproductive toxicity None known.
STOT - single exposure None known.

**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)** 11,624.90 mg/kg

### 12. ECOLOGICAL INFORMATION

Yes.

#### **Ecotoxicity**

Toxic to aquatic life with long lasting effects.

#### Persistence and degradability

None known.

#### **Bioaccumulation**

None known.

#### Other adverse effects

None known.

### 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. (Bisphenol A Epoxy Resin)

Hazard Class 9
Packing Group III

Special Provisions A97, A158, A197

Description

**IATA** 

UN/ID no. UN 3082

Proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin)

**Hazard Class Packing Group** Ш

**Special Provisions** A97, A158, A197

**Description** 

**IMDG** 

UN/ID no. UN 3082

Proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin)

**Hazard Class Packing Group** Ш EmS-No. F-A, S-F **Special Provisions** 274, 335, 969

Marine pollutant Yes

Description

### 15. REGULATORY INFORMATION

International Inventories

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

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

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

NFPA Health hazards 0 Flammability 0 Instability 0 Physical and Chemical

Properties Not

applicable

Health hazards 0 Flammability 0 Physical hazards 0 Personal protection X

Prepared By SDS coordinator Issue Date 30-Dec-2022 Revision Date 01-May-2023

Revision Note Not applicable <u>Disclaimer</u>

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**