



SAFETY DATA SHEET

1. Identification

Product Identifier: **BDC Vapor Seal Hardener**
Use: Curing Agent. For Industrial/Professional use only.
Manufacturer: BDC Epoxy Systems, Inc
12903 Sunshine Ave.
Santa Fe Springs, CA 90670
Phone Number: 562-944-6177
Emergency Phone: CHEMTREC 800-424-9300 or
+1 (703) 527-3887
Email: info@bdcepoxy.com

2. Hazards Identification

GHS Classification:

Acute Toxicity (oral) – Category 4
Skin Corrosion – Category 1B
Eye Damage – Category 1
Skin Sensitization – Category 1
Reproductive Toxin – Category 1B

Label Elements: Danger



Hazard Phrases:

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H360 May damage fertility or the unborn child.

Precautionary Phrases:

P203 Obtain, read and follow all safety instructions before use.
P260 Do not breathe vapors.
P264 Wash thoroughly with soap and water after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated clothing should not be allowed out of the workplace.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P301+P317 IF SWALLOWED: Get medical help.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of water.
P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P364+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P316 Get emergency medical help immediately.
P317 Get medical help.
P318 IF exposed or concerned, get medical advice.
P330 Rinse mouth.
P333+P317 If skin irritation or rash occurs: Get medical help.
P362+P364 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

Supplemental Information: This is one part of a two-part system. Read and understand the hazard information on resin before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Benzyl alcohol	100-51-6	<50
Trade Secret Ingredients	Proprietary	>50
Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentrations limits.		

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water for at least 15 minutes, holding the eyelids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention immediately. Launder clothing before re-use. Discard items that cannot be decontaminated.

Inhalation: If inhaled, remove person to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention if you feel unwell.

Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention immediately.

Most Important Symptoms/Effects: Harmful if swallowed.

Indication of Immediate Medical Attention/Special Treatment: Get immediately medical attention if on skin, in eyes, or swallowed.

5. Fire-Fighting Measures

Extinguishing Media: Use foam, carbon dioxide, water fog or dry chemical.

Specific Hazards: Not classified as flammable or combustible.

Special Protective Equipment & Precautions for Fire-Fighters:

Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency

Procedures: Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Ventilate area.

Methods and Materials for Containment and Cleanup: Do not discharge material into waterways. Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid release to the environment.

7. Handling and Storage

Safe Handling: Obtain, read, and follow instructions before use. Avoid contact with eyes, skin, and clothing. Do not breathe fumes, vapors, or mists. When using, do not eat, drink, or smoke. Use outdoors or with properly positioned local exhaust ventilation to prevent exposure. Wash thoroughly after handling. Keep container closed when not in use.



SAFETY DATA SHEET

Safe Storage: Store indoors at temperatures between 40°F and 95°F. Store in original, unopened containers away from incompatible materials, open flames, and high temperatures.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For m-Phenylenebis(methylamine):
ACGIH TLV 0.018ppm (C)

Ventilation: Use with properly positioned local exhaust ventilation to prevent exposure and maintain air levels below the occupational exposure limits.

Respiratory Protection: If ventilation is not adequate, use a NIOSH-approved respirator with organic vapor cartridges or supplied air. Respirator selection and use should be based on contaminant type, form, and concentration. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles or face shield.

Other Protective Measures: Wear impervious clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Liquid, pale yellow

Odor: Ammoniacal

Odor Threshold: No data available

pH: 11

Melting Point/Freezing Point: No data available

Boiling Point: >392°F (>200°C)

Flash Point: >212°F (>100°C)

Evap. Rate: No data available

Flamm. Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: 1.03

Solubility: Insoluble in water

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: 1,000 cps @ 20°C

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: None known.

Incompatible Materials: Avoid amines, bases, reducing agents, and reactive metals.

Hazardous Decomposition Products: Nitric acid, ammonia nitrogen oxides, carbon monoxide, carbon dioxide, aldehydes, nitrosamine organic acid vapors.

11. Toxicological Information

Eye Contact: Causes serious eye damage.

Skin Contact: Causes severe skin burns. May cause and allergic skin reaction.

Inhalation: May cause respiratory irritation.

Ingestion: Harmful if swallowed.

Chronic Health Effects: May cause an allergic skin reaction.

Acute Toxicity Values: For product:

Oral LD₅₀ (rat): 1,878 mg/kg

Dermal LD₅₀ (rabbit): 2,748 mg/kg

Inhalation LC₅₀ (rat): 19.14 mg/L

Respiratory Sensitization: Components are not classified as respiratory sensitizers.

Skin Sensitization: Components are classified as skin sensitizers.

Germ Cell Mutagenicity: Components are not classified as mutagens.

Carcinogenicity: Components are not classified as carcinogens.

Reproductive Toxicity: Components are classified as reproductive toxins.

Specific Target Organ Toxicity: No data available.

12. Ecological Information

Ecotoxicity: No data available. Avoid release to the environment.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Do not discharge into waterways. Dispose according to local, state, and federal regulations.

14. Transport Information

DOT: UN2735, Amines, liquid, corrosive, n.o.s (3-aminomethyl-3,5,5-trimethylcyclohexylamine, m-phenylenebis(methylamine), 8, II. (LTD QTY if shipped in quantities of 1L (0.3gal) or less).

IATA/IMDG: UN2735, Amines, liquid, corrosive, n.o.s (3-aminomethyl-3,5,5-trimethylcyclohexylamine, m-phenylenebis(methylamine), 8, II

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to these reporting requirements. Some states have more stringent reporting requirements.

SARA TITLE III Section 311/312: Acute/Chronic Health Hazard

Section 313 Toxic Chemicals: This product contains chemicals subject to SARA Title III Section 313 Reporting requirements:

4,4'-Isopropylidenediphenol (CAS80-05-7) 5-10%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: WARNING: This product can expose you to chemicals including 4,4-Isopropylidenediphenol, which is known to the State of California to cause birth defects or other reproductive harm.

www.P65Warnings.ca.gov

16. Other Information



SAFETY DATA SHEET

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial use only.

SDS Revision Notes: GHS Format: December 7, 2021

Disclaimer: The information contained herein is considered accurate; however, BDC Epoxy Systems makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.