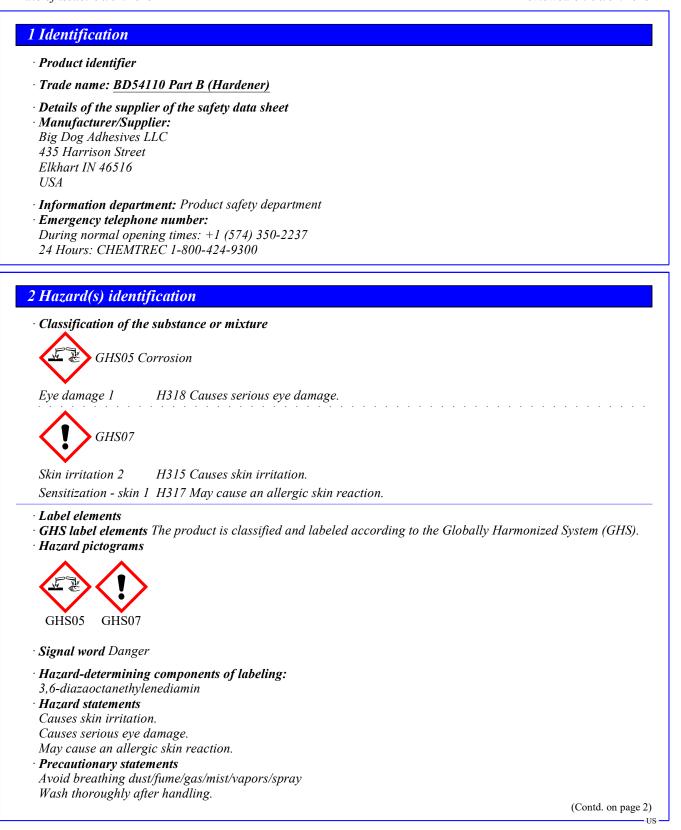


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### Trade name: BD54110 Part B (Hardener) (Contd. of page 1) Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves / eye protection / face protection. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/international regulations. · Information pertaining to particular dangers for man and environment: · Classification system: · NFPA ratings (scale 0 - 4) Health = 3Fire = 1Reactivity = 0· HMIS-ratings (scale 0 - 4) HEALTH 3 Health = 3Fire = 1FIRE 1 **REACTIVITY O** Reactivity = 0· Other hazards · Results of PBT and vPvB assessment · **PBT:** Not applicable. · vPvB: Not applicable. · Classification according to (d)(1)(ii) of § 1910.1200 The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products. · Hazards not otherwise classified There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard. 3 Composition/information on ingredients

## · Chemical characterization: Mixtures

• **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerou	is components:	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	8-13%
112-24-3	3,6-diazaoctanethylenediamin	1-5%

## 4 First-aid measures

- · Description of first aid measures
- *General information: Immediately remove any clothing soiled by the product.*

• After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

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- · After swallowing: If symptoms persist consult doctor.
- Most important symptoms and effects, both acute and delayed No further relevant information available. • Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## **5** Fire-fighting measures

· Extinguishing media

• Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

### 6 Accidental release measures

• <b>Personal precautions, protective equipment and emergency procedures</b> Wear protective equipment. Keep unprotected persons away.	
· Environmental precautions:	
Dilute with plenty of water.	
Do not allow to enter sewers/ surface or ground water.	
· Methods and material for containment and cleaning up:	
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).	
Use neutralizing agent.	
Dispose contaminated material as waste according to section 13.	
Ensure adequate ventilation.	
· Protective Action Criteria for Chemicals	
· PAC-1:	
90-72-2 2,4,6-tris(dimethylaminomethyl)phenol	6.5 mg/m <sup>3</sup>
112-24-3 3,6-diazaoctanethylenediamin	3 ppm
· PAC-2:	
90-72-2 2,4,6-tris(dimethylaminomethyl)phenol	6.6 ppm
112-24-3 3,6-diazaoctanethylenediamin	14 ppm
· PAC-3:	
90-72-2 2,4,6-tris(dimethylaminomethyl)phenol	40 ppm
112-24-3 3,6-diazaoctanethylenediamin	83 ppm
Reference to other sections	·
See Section 7 for information on safe handling.	

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

• Information about protection against explosions and fires: No special measures required.

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- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

- · Control parameters
- Components with limit values that require monitoring at the workplace:
- The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
- At this time, the remaining constituent has no known exposure limits.

112-24-3 3,6-diazaoctanethylenediamin

WEEL Long-term value: 6 mg/m<sup>3</sup>, 1 ppm Skin

• *Additional information:* The lists that were valid during the creation were used as basis.

- · Exposure controls
- Appropriate engineering controls No further data; see section 7.
- · Personal protective equipment:
- · General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

#### · Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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### Trade name: BD54110 Part B (Hardener)

• Eye protection:



Tightly sealed goggles

# 9 Physical and chemical properties

Physical stateLiquidColor:According to product specificationOdor:Like rotten eggs (mercaptans)Odor threshold:Not determined.Melting point/Boiling range:Undetermined.Boiling point/Boiling range:Undetermined.Boiling point/Boiling range:Undetermined.Flammability:Not aplicable.Explosion limits:Lower:Not determined.Upper:Not determined.Upper:Not determined.Planmability:>93.3°C (>199.9°F)Decomposition temperature:Not determined.PH-value:Not determined.Viscosity:Kinematic:Not determined.Solubility in / Miscibility withNot determined.Water:Fully miscible.Partition coefficient (n-octanol/water):Not determined.Vapor pressure:Not determined.Vapor pressure:Not determined.Vapor pressure:Not determined.Vapor pressure:Not determined.Vapor pressure:Not determined.Pensity:Not determined.Vapor pressure:Not determined.Promine.Not determined.Vapor densityNot determined.Promice:Not determined.Promine.Not determined.Promine.Particle characteristicsNot determined.Promine.Puparance:Product specificient (n-octanol/water):Puparance:Ipuicable.Pother information on prot	· Information on basic physical and chemical p	properties
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<i>Evalution faile for a point of the point </i>	· Evaporation rate	Not determined.
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## **10 Stability and reactivity**

• *Reactivity* No further relevant information available.

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<sup>—</sup> US

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· Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- *Incompatible materials:* No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

### **11 Toxicological information**

· Information on toxicological effects

• Acute toxicity:

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral LD50 4,808–12,821 mg/kg

Dermal LD50 >23,000 mg/kg (rabbit)

#### 112-24-3 3,6-diazaoctanethylenediamin

Oral LD50 2,500 mg/kg (rat)

Dermal LD50 805 mg/kg (rabbit)

· Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

• on the eye: Strong irritant with the danger of severe eye injury.

• Sensitization: Sensitization possible through skin contact.

• Additional toxicological information:

*The product shows the following dangers according to internally approved calculation methods for preparations: Irritant* 

• *Interactive effects* No interactive effects between components are known.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

#### · NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

*Alternative sources for toxicological information No non-standard sources for toxicological information where used.* 

## **12 Ecological information**

· Toxicity

• Aquatic toxicity: No further relevant information available.

• *Persistence and degradability No further relevant information available.* 

- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- · Results of PBT and vPvB assessment

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

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### Trade name: BD54110 Part B (Hardener)

· Other adverse effects

• Additional ecological information:

· General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized.

## **13 Disposal considerations**

• Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• *Recommendation:* Disposal must be made according to official regulations.

· Recommended cleansing agent: Water, if necessary with cleansing agents.

UN-Number	
DOT, IMDG, IATA	not regulated
UN proper shipping name DOT, IMDG, IATA	not regulated
Transport hazard class(es)	
DOT, ADN, IMDG, IATA	
Class	not regulated
Packing group	
DOT, IMDG, IATA	not regulated
Environmental hazards:	Not applicable.
Transport in bulk according to Annex	II of
MARPOL73/78 and the IBC Code	Not applicable.
Special precautions for user	Not applicable.
UN "Model Regulation":	not regulated

## **15 Regulatory information**

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

• Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

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#### Trade name: BD54110 Part B (Hardener)

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· Hazardous Air Pollutants None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms



· Signal word Danger

· Hazard-determining components of labeling: 3,6-diazaoctanethylenediamin · Hazard statements Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. · Precautionary statements Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves / eye protection / face protection. If on skin: Wash with plenty of water. 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/doctor. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/international regulations. (Contd. on page 9)

US

Date of issue: 04/02/2025

Reviewed on 04/02/2025

Trade name: BD54110 Part B (Hardener)

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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.

• Date of preparation 04/02/2025 • Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Skin irritation 2: Skin corrosion/irritation – Category 2 Eye damage 1: Serious eye damage/eye irritation - Category 1 Sensitization - skin 1: Skin sensitisation - Category 1

<sup>·</sup> Contact: -