



## SAFETY DATA SHEET CRACKFILL Part A

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

### 1. Identification

#### Product identifier

**Product name** CRACKFILL Part A

#### Recommended use of the chemical and restrictions on use

**Application** Two-component, epoxy-based adhesive. Resin.

#### Details of the supplier of the safety data sheet

**Supplier** H&B  
30 Rasons Court  
Hauppauge, NY 11788  
631-234-0600  
weanchor@h-b.com  
www.h-b.com

#### Emergency telephone number

**Emergency telephone** 24-hour emergency call Chemtrec: (800) 255-3924

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317

#### Label elements

##### Hazard symbols



**Signal word** Danger

**Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.

**Precautionary statements**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352 If on skin: Wash with plenty of water.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN, BUTANEDIOLDIGLYCIDYL ETHER

### 3. Composition/information on ingredients

## CRACKFILL Part A

### Mixtures

<b>EPOXY RESIN (Number average MW &lt;= 700 )</b>	<b>50-80%</b>
CAS number: 25068-38-6	

<b>EPOXY PHENOL FORMALDEHYDE RESIN</b>	<b>20-50%</b>
CAS number: 9003-36-5	

<b>BUTANEDIOLDIGLYCIDYL ETHER</b>	<b>10-20%</b>
CAS number: 2425-79-8	

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Get medical attention immediately.
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

#### Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause sensitisation by skin contact.
<b>Eye contact</b>	Irritating to eyes.

#### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Do not use water, if avoidable.

#### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Not considered to be a significant hazard due to the small quantities used.
<b>Hazardous combustion products</b>	Oxides of carbon. Oxides of nitrogen.

#### Advice for firefighters

<b>Protective actions during firefighting</b>	No specific requirements are anticipated under normal conditions of use.
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**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### Environmental precautions

**Environmental precautions** Avoid release to the environment.

#### Methods and material for containment and cleaning up

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

**Reference to other sections** For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Avoid contact with eyes. Avoid contact with skin.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use.

#### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

#### Exposure controls

#### Protective equipment



**Appropriate engineering controls**

No specific ventilation requirements.

**Eye/face protection**

Wear eye protection.

**Hand protection**

Wear protective gloves made of the following material: Nitrile rubber.

**Hygiene measures**

Provide eyewash station. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

**Respiratory protection**

Not relevant.

**Environmental exposure controls**

Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

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### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Color</b>	Colorless to pale yellow.
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	>35°C @ 760 mm Hg
<b>Flash point</b>	>100°C Closed cup.
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not available.
<b>Vapor pressure</b>	<500 Pa @ °C
<b>Vapor density</b>	No information available.
<b>Relative density</b>	1.1 - 1.2
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	500 - 1000 mPa s @ 20°C
<b>Explosive properties</b>	No information available.
<b>Explosive under the influence of a flame</b>	No
<b>Oxidizing properties</b>	Does not meet the criteria for classification as oxidizing.

### 10. Stability and reactivity

<b>Reactivity</b>	The following materials may react with the product: Acids. Amides. Amines. Phenols, cresols.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	The following materials may react with the product: Acids. Amides. Amines. Phenols, cresols.
<b>Conditions to avoid</b>	Avoid contact with acids and alkalis.

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<b>Materials to avoid</b>	Acids. Amines. Amides.
<b>Hazardous decomposition products</b>	Oxides of carbon. Oxides of nitrogen.

**11. Toxicological information****Information on toxicological effects****Acute toxicity - oral**

ATE oral (mg/kg) 3,333.33

**Acute toxicity - dermal**

ATE dermal (mg/kg) 7,333.33

**Acute toxicity - inhalation**

ATE inhalation (vapours mg/l) 73.33

**Skin sensitization**

Skin sensitization Sensitizing.

<b>General information</b>	Contains epoxy constituents. See information supplied by the manufacturer.
<b>Inhalation</b>	No specific health hazards known.
<b>Ingestion</b>	No harmful effects expected from quantities likely to be ingested by accident.
<b>Skin Contact</b>	Irritating to skin. May cause sensitisation by skin contact.
<b>Eye contact</b>	May cause severe eye irritation.
<b>Acute and chronic health hazards</b>	Irritating to skin. Irritating to eyes.
<b>Route of exposure</b>	Skin and/or eye contact
<b>Medical Symptoms</b>	Skin irritation.
<b>Medical considerations</b>	Skin disorders and allergies.

**Toxicological information on ingredients.****BUTANEDIOLDIGLYCIDYL ETHER****Acute toxicity - oral**Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,163.0

Species Rat

ATE oral (mg/kg) 500.0

**Acute toxicity - dermal**Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,150.0

Species Rat

ATE dermal (mg/kg) 1,100.0

**Acute toxicity - inhalation**

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ATE inhalation (vapours mg/l) 11.0

### 12. Ecological information

#### Ecological information on ingredients.

#### EPOXY RESIN (Number average MW <= 700 )

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 2 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1.8 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 11 mg/l, Freshwater algae  
EC<sub>50</sub>, 96 hours: 220 mg/l, Scenedesmus subspicatus

##### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 0.3 mg/l, Daphnia magna

#### BUTANEDIOLDIGLYCIDYL ETHER

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 24 hours: 61 mg/l, Brachydanio rerio (Zebra Fish)  
LC<sub>50</sub>, 48 hours: 43 mg/l, Brachydanio rerio (Zebra Fish)  
LC<sub>50</sub>, 72 hours: mg/l, Brachydanio rerio (Zebra Fish)  
LC<sub>50</sub>, 96 hours: 24 mg/l, Brachydanio rerio (Zebra Fish)  
LC<sub>0</sub>, 96 hours: 18 mg/l, Brachydanio rerio (Zebra Fish)  
LC<sub>100</sub>, 96 hours: 32 mg/l, Brachydanio rerio (Zebra Fish)  
REACH dossier information

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 24 hours: 75 mg/l, Daphnia magna  
EC<sub>0</sub>, 24 hours: 32 mg/l, Daphnia magna  
EC<sub>100</sub>, 24 hours: > 100 mg/l, Daphnia magna  
REACH dossier information

**Acute toxicity - microorganisms** IC<sub>50</sub>, 3 hours: > 100 mg/l, Activated sludge  
REACH dossier information

#### Persistence and degradability

**Persistence and degradability** The product is not biodegradable.

#### Ecological information on ingredients.

#### EPOXY RESIN (Number average MW <= 700 )

**Biodegradation** - 12% Degradation (%): 28 days

#### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

#### Ecological information on ingredients.

#### EPOXY RESIN (Number average MW <= 700 )

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**Bio-Accumulative Potential** May accumulate in soil and water systems. BCF: 100 - 3000,

**Partition coefficient** log Pow: 3.242 Estimated Value

### Mobility in soil

**Mobility** The product is insoluble in water and will spread on the water surface. The product is non-volatile. Semi-mobile.

### Ecological information on ingredients.

#### EPOXY RESIN (Number average MW <= 700 )

**Mobility** Semi-mobile.

**Adsorption/desorption coefficient** Water - Koc: 1800 - 4400 @ 25°C Estimated Value

**Henry's law constant** 4.93E-05 Pa m<sup>3</sup>/mol @ 25°C

### **13. Disposal considerations**

#### Waste treatment methods

**Disposal methods** Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Dispose of waste via a licensed waste disposal contractor.

### **14. Transport information**

#### UN Number

<b>UN No. (TDG)</b>	3082
<b>UN No. (IMDG)</b>	3082
<b>UN No. (ICAO)</b>	3082
<b>UN No. (DOT)</b>	UN3082

#### UN proper shipping name

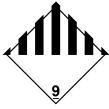
<b>Proper shipping name (TDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN)
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN)
<b>Proper shipping name (DOT)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700 ), EPOXY PHENOL FORMALDEHYDE RESIN)

#### Transport hazard class(es)

<b>DOT hazard class</b>	9
<b>DOT hazard label</b>	9
<b>TDG class</b>	9
<b>TDG label(s)</b>	9
<b>IMDG Class</b>	9
<b>ICAO class/division</b>	9

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### Transport labels



### DOT transport labels



### Packing group

TDG Packing Group	III
IMDG packing group	III
ICAO packing group	III
DOT packing group	III

### Environmental hazards

#### Environmentally Hazardous Substance



### Special precautions for user

EmS F-A, S-F

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## 15. Regulatory information

### US Federal Regulations

#### SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed or exempt.

#### CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

#### SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

#### SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

#### CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

#### FDA - Essential Chemical

None of the ingredients are listed or exempt.

#### FDA - Precursor Chemical

None of the ingredients are listed or exempt.



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### OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

#### California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

#### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

#### California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

#### Massachusetts "Right To Know" List

None of the ingredients are listed or exempt.

#### Rhode Island "Right To Know" List

None of the ingredients are listed or exempt.

#### Minnesota "Right To Know" List

None of the ingredients are listed or exempt.

#### New Jersey "Right To Know" List

None of the ingredients are listed or exempt.

#### Pennsylvania "Right To Know" List

None of the ingredients are listed or exempt.

### Inventories

#### Canada - DSL/NDSL

The following ingredients are listed or exempt:

#### US - TSCA

All the ingredients are listed or exempt.

#### US - TSCA 12(b) Export Notification

The following ingredients are listed or exempt:

### 16. Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	5/23/2019
<b>Version number</b>	2.000
<b>Supersedes date</b>	6/11/2018
<b>SDS No.</b>	21147
<b>Hazard statements in full</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage.

## CRACKFILL Part A

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.