



## Northern Manufacturing Construction Grade Epoxy Part B

Revision Date 08/21/2024

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### SECTION 1. IDENTIFICATION

Product name : Northern Manufacturing Construction Grade Epoxy Part B

Company name : Sika Corporation  
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Lyndhurst, NJ 07071  
USA  
www.sikausa.com

Telephone : (201) 933-8800

Telefax : (201) 804-1076

E-mail address : ehs@sika-corp.com

Emergency telephone : CHEMTREC: 800-424-9300  
INTERNATIONAL: +1-703-527-3887

Recommended use of the chemical and restrictions on use : For further information, refer to product data sheet.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation : Category 2

Serious eye damage : Category 1

Skin sensitization : Category 1

Carcinogenicity (Inhalation) : Category 1A

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

Specific target organ toxicity - repeated exposure : Category 1 (Lungs)

#### GHS label elements



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Hazard pictograms :



Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H350 May cause cancer by inhalation.  
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure.

Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe mist or vapors.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 + P310 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.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.



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### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Additional Labeling

There are no ingredients with unknown acute toxicity used in a mixture at a concentration  $\geq 1\%$ .

### Other hazards

Intentional misuse by deliberate concentration and inhalation of vapor may be harmful or fatal.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures

#### Components

| Chemical name                                      | CAS-No.      | Classification                                                                                            | Concentration (% w/w) |
|----------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------|-----------------------|
| Quartz (SiO <sub>2</sub> ) >5 $\mu$ m              | 14808-60-7   | Carc. 1A; H350<br>STOT RE 1; H372<br>STOT SE 3; H335                                                      | $\geq 30 - < 50$      |
| N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine | 10563-29-8   | Acute Tox. 4; H302<br>Acute Tox. 4; H312<br>Skin Corr. 1A; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317 | $\geq 5 - < 10$       |
| Benzyl alcohol                                     | 100-51-6     | Acute Tox. 4; H302<br>Eye Irrit. 2A; H319<br>Skin Sens. 1B; H317                                          | $\geq 5 - < 10$       |
| Aliphatic Amines                                   | Not Assigned | Skin Sens. 1; H317                                                                                        | $\geq 1 - < 5$        |

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tis-



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|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                      |
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|                                                             | <p>sue damage and blindness.<br/>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br/>Continue rinsing eyes during transport to hospital.<br/>Remove contact lenses.<br/>Keep eye wide open while rinsing.</p>                                                                                                                                                      |
| If swallowed                                                | <p>: Clean mouth with water and drink afterwards plenty of water.<br/>Do not induce vomiting without medical advice.<br/>Do not give milk or alcoholic beverages.<br/>Never give anything by mouth to an unconscious person.<br/>Obtain medical attention.</p>                                                                                                                                                       |
| Most important symptoms and effects, both acute and delayed | <p>: irritant effects<br/>sensitizing effects<br/>Cough<br/>Respiratory disorder<br/>Allergic reactions<br/>Excessive lachrymation<br/>Erythema<br/>Dermatitis<br/>Causes skin irritation.<br/>May cause an allergic skin reaction.<br/>Causes serious eye damage.<br/>May cause respiratory irritation.<br/>May cause cancer by inhalation.<br/>Causes damage to organs through prolonged or repeated exposure.</p> |
| Notes to physician                                          | <p>: Treat symptomatically.</p>                                                                                                                                                                                                                                                                                                                                                                                      |

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### SECTION 5. FIRE-FIGHTING MEASURES

|                                                |                                                                                                                                                                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                   | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                                                                                                 |
| Further information                            | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for fire-fighters | : In the event of fire, wear self-contained breathing apparatus.                                                                                                                                                          |

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                                                                   |                                                                             |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency measures | : Use personal protective equipment.<br>Deny access to unprotected persons. |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------|



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gency procedures

- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Store in original container.  
Keep in a well-ventilated place.  
Observe label precautions.  
Store in accordance with local regulations.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Components                      | CAS-No.    | Value type<br>(Form of exposure)    | Control parameters / Permissible concentration | Basis    |
|---------------------------------|------------|-------------------------------------|------------------------------------------------|----------|
| Quartz (SiO <sub>2</sub> ) >5µm | 14808-60-7 | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup>                        | ACGIH    |
|                                 |            | TWA (Respirable dust)               | 0.05 mg/m <sup>3</sup>                         | OSHA Z-1 |



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|  |  |                                     |                                             |           |
|--|--|-------------------------------------|---------------------------------------------|-----------|
|  |  | TWA (respirable)                    | 10 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2 | OSHA Z-3  |
|  |  | TWA (respirable)                    | 250 mppcf / %SiO <sub>2</sub> +5            | OSHA Z-3  |
|  |  | TWA (respirable dust fraction)      | 0.1 mg/m <sup>3</sup>                       | OSHA P0   |
|  |  | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup> (Silica)            | ACGIH     |
|  |  | PEL (respirable)                    | 0.05 mg/m <sup>3</sup>                      | OSHA CARC |
|  |  | TWA (respirable dust fraction)      | 0.1 mg/m <sup>3</sup>                       | OSHA P0   |
|  |  | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup>                     | ACGIH     |
|  |  | TWA (Respirable particulate matter) | 0.025 mg/m <sup>3</sup> (Silica)            | ACGIH     |

The above constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### Personal protective equipment

**Respiratory protection** : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.



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|                          |                                                                                                                                                                                                                                                 |
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|                          | essary.                                                                                                                                                                                                                                         |
| Eye protection           | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.                                                                                                                         |
| Skin and body protection | : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.                                                                                                      |
| Hygiene measures         | : Avoid contact with skin, eyes and clothing.<br>Wash hands before breaks and immediately after handling the product.<br>Remove contaminated clothing and protective equipment before entering eating areas.<br>Wash thoroughly after handling. |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                  |                       |
|--------------------------------------------------|-----------------------|
| Appearance                                       | : paste               |
| Color                                            | : dark gray           |
| Odor                                             | : amine-like          |
| Odor Threshold                                   | : No data available   |
| pH                                               | : 8.2                 |
| Melting point/ range / Freezing point            | : No data available   |
| Boiling point/boiling range                      | : No data available   |
| Flash point                                      | : > 212 °F / > 100 °C |
| Evaporation rate                                 | : No data available   |
| Flammability (solid, gas)                        | : No data available   |
| Upper explosion limit / Upper flammability limit | : No data available   |
| Lower explosion limit / Lower flammability limit | : No data available   |
| Vapor pressure                                   | : 0.07 hpa            |
| Relative vapor density                           | : No data available   |
| Density                                          | : 2.01 g/ml           |



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|                                          |                             |
|------------------------------------------|-----------------------------|
| Solubility(ies)                          |                             |
| Water solubility                         | : slightly soluble          |
| Solubility in other solvents             | : No data available         |
| Partition coefficient: n-octanol/water   | : No data available         |
| Autoignition temperature                 | : No data available         |
| Decomposition temperature                | : No data available         |
| Viscosity                                |                             |
| Viscosity, dynamic                       | : No data available         |
| Viscosity, kinematic                     | : > 20.5 mm <sup>2</sup> /s |
| Explosive properties                     | : No data available         |
| Oxidizing properties                     | : No data available         |
| Volatile organic compounds (VOC) content | : 2.5 g/l<br>A+B Combined   |

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### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Reactivity                         | : No dangerous reaction known under conditions of normal use. |
| Chemical stability                 | : The product is chemically stable.                           |
| Possibility of hazardous reactions | : Stable under recommended storage conditions.                |
| Conditions to avoid                | : No data available                                           |
| Incompatible materials             | : No data available                                           |
| Hazardous decomposition products   | : No decomposition if stored and applied as directed.         |

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified due to lack of data.

#### Components:

**N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine:**



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Acute oral toxicity : LD50 Oral (Rat): 1,669 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): 1,310 mg/kg

### **Benzyl alcohol:**

Acute oral toxicity : LD50 Oral (Rat): 1,200 mg/kg

### **Skin corrosion/irritation**

Causes skin irritation.

### **Product:**

Method : In Vitro Membrane Barrier Test Method for Skin Corrosion -  
CORROSITEX

Result : Irritating to skin.

### **Serious eye damage/eye irritation**

Causes serious eye damage.

### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

Not classified due to lack of data.

#### **Germ cell mutagenicity**

Not classified due to lack of data.

### **Carcinogenicity**

May cause cancer by inhalation.

|             |                                                                                             |            |
|-------------|---------------------------------------------------------------------------------------------|------------|
| <b>IARC</b> | Group 1: Carcinogenic to humans<br>Quartz (SiO <sub>2</sub> )<br>(Silica dust, crystalline) | 14808-60-7 |
|-------------|---------------------------------------------------------------------------------------------|------------|

|             |                                                                                              |            |
|-------------|----------------------------------------------------------------------------------------------|------------|
| <b>OSHA</b> | OSHA specifically regulated carcinogen<br>Quartz (SiO <sub>2</sub> )<br>(crystalline silica) | 14808-60-7 |
|-------------|----------------------------------------------------------------------------------------------|------------|

|            |                                                                                                       |            |
|------------|-------------------------------------------------------------------------------------------------------|------------|
| <b>NTP</b> | Known to be human carcinogen<br>Quartz (SiO <sub>2</sub> )<br>(Silica, Crystalline (Respirable Size)) | 14808-60-7 |
|------------|-------------------------------------------------------------------------------------------------------|------------|

### **Reproductive toxicity**

Not classified due to lack of data.

### **STOT-single exposure**

May cause respiratory irritation.



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### **STOT-repeated exposure**

Causes damage to organs (Lungs) through prolonged or repeated exposure.  
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

### **Aspiration toxicity**

Not classified due to lack of data.

### **Further information**

#### **Product:**

Quartz (14808-60-7): This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

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## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

#### **Components:**

##### **Benzyl alcohol:**

Toxicity to fish : LC50 (Fish): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates Exposure time: 48 h

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

#### **Product:**

Additional ecological information : Do not empty into drains; dispose of this material and its container in a safe way.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- Waste from residues : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

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### SECTION 15. REGULATORY INFORMATION

- TSCA list** : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

#### CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

- SARA 311/312 Hazards** : Respiratory or skin sensitization  
Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)  
Skin corrosion or irritation



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Serious eye damage or eye irritation

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

### California Prop. 65

 **WARNING:** This product can expose you to chemicals including Quartz (SiO<sub>2</sub>) >5µm, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

|                 |   |                                                                                  |
|-----------------|---|----------------------------------------------------------------------------------|
| ACGIH           | : | USA. ACGIH Threshold Limit Values (TLV)                                          |
| OSHA CARC       | : | OSHA Specifically Regulated Chemicals/Carcinogens                                |
| OSHA P0         | : | USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)               |
| OSHA Z-1        | : | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| OSHA Z-3        | : | USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts               |
| ACGIH / TWA     | : | 8-hour, time-weighted average                                                    |
| OSHA CARC / PEL | : | Permissible exposure limit (PEL)                                                 |
| OSHA P0 / TWA   | : | 8-hour time weighted average                                                     |
| OSHA Z-1 / TWA  | : | 8-hour time weighted average                                                     |
| OSHA Z-3 / TWA  | : | 8-hour time weighted average                                                     |

### Notes to Reader

The information contained in this Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Product Data Sheet, product label and Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this SDS.

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[www.sikausa.com](http://www.sikausa.com) or 201-933-8800.

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