



## SAFETY DATA SHEET

### Uncured Glass Mineral Wool Insulation

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

#### 1. Identification

##### Product identifier

<b>Product name</b>	Uncured Glass Mineral Wool Insulation
<b>Product number</b>	KI_DP_108
<b>Synonyms; trade names</b>	Amber Uncured Blanket Insulation, Black Uncured Blanket Insulation, Black Uncured Blanket Insulation SR
<b>Revision date:</b>	12/06/2019

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

<b>Application</b>	Thermal and/or acoustic insulation for use in technical applications, industrial applications and in building construction.
<b>Uses advised against</b>	None known.

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

<b>Supplier</b>	Knauf Insulation, Inc. One Knauf Drive Shelbyville IN 46176-1496 Tel: 800 825 4434 <a href="http://www.knaufinsulation.us">www.knaufinsulation.us</a> <a href="mailto:sds@knaufinsulation.com">sds@knaufinsulation.com</a>
<b>Region:</b>	United States, Central & South America

##### Emergency telephone number

<b>Emergency telephone</b>	24hrs: Chemtrec Tel: 800 424 9300
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## Uncured Glass Mineral Wool Insulation

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**OSHA Regulatory Status** This Product is Hazardous under the OSHA Hazard Communication Standard.

**Physical hazards** Not Classified

**Health hazards** Skin Sens. 1 - H317 Carc. 1B - H350

**Environmental hazards** Not Classified

#### Label elements

##### Hazard symbols



**Signal word** Danger

**Hazard statements** H317 May cause an allergic skin reaction.  
H350 May cause cancer.

**Precautionary statements** P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352 If on skin: Wash with plenty of water.  
P308+P313 If exposed or concerned: Get medical advice/ attention.  
P321 Specific treatment (see Section 4 of the SDS).  
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** Urea extended phenol formaldehyde resin, Formaldehyde

**Supplemental label information** See Section 16.

#### Other hazards

**Physical Hazards** None.

**Health Hazards** May cause cancer. Mechanical irritation of the skin, eyes and upper respiratory system.

**Environmental Hazards** None.

**Main symptoms** Prolonged and repeated exposure may cause cancer. Repeated or prolonged exposure may cause an allergic skin reaction. Contact with skin, eyes and upper respiratory system may cause mechanical irritation. Biosoluble glass mineral wool is classified as a nuisance dust by OSHA.

## Uncured Glass Mineral Wool Insulation

### 3. Composition/information on ingredients

#### Mixtures

<b>Biosoluble glass mineral wool</b> CAS number: — Ingredient notes:(1)(2)	<b>83 - 91%</b>
<b>Classification</b> Not Classified	
<b>Urea extended phenol formaldehyde resin</b> CAS number: 25104-55-6	<b>3 - 14%</b>
<b>Classification</b> Skin Sens. 1B - H317	
<b>Carbon black</b> CAS number: 1333-86-4	<b>0 - 1%</b>
<b>Classification</b> Not Classified	
<b>Disposable Low Density Polyethylene Interleaving</b> CAS number: —	<b>1%</b>
<b>Classification</b> Not Classified	
<b>Phenol</b> CAS number: 108-95-2	<b>0.65% max</b>
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Muta. 2 - H341 STOT RE 2 - H373 Aquatic Chronic 2 - H411	

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<b>Formaldehyde</b>	<b>0.2% max</b>
CAS number: 50-00-0	
<b>Classification</b>	
Acute Tox. 3 - H301	
Acute Tox. 3 - H311	
Acute Tox. 2 - H330	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Muta. 2 - H341	
Carc. 1B - H350	
STOT SE 3 - H335	

The full text for all hazard statements is displayed in Section 16.

### Ingredient notes

(1) Man made vitreous (silicate) fibers with random orientation with alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content greater than 18% by weight meeting the requirements of Note Q of regulation n° 1272/2008 and therefore not classified carcinogenicity.

(2) All Knauf Insulation products covered by this SDS are independently certified by EUCEB to be manufactured using biosoluble glass fibers formulations and thus the glass wool fibers are exempt from labelling under NTP or California Prop 65 requirements.

Specific chemical identity and/or exact percent concentration is withheld as trade secret.

## 4. First-aid measures

### Description of first aid measures

<b>General information</b>	Show this Safety Data Sheet to the medical professional in attendance. If symptoms occur, follow first aid measures as appropriate.
<b>Notes to Physician:</b>	No specific recommendations.
<b>Inhalation</b>	Remove from exposure. Rinse the throat and clear dust from airways.
<b>Ingestion</b>	Drink plenty of water if accidentally ingested.
<b>Skin Contact</b>	Wash with mild soap and warm water after each exposure. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. If mechanical irritation occurs, remove contaminated clothing and wash skin gently with cold water and soap.
<b>Eye contact</b>	Rinse abundantly with water for at least 15 minutes.

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

<b>General information</b>	Prolonged and repeated exposure may cause cancer. Repeated or prolonged exposure may cause an allergic skin reaction. Contact with skin, eyes and upper respiratory system may cause mechanical irritation. Biosoluble glass mineral wool is classified as a nuisance dust by OSHA.
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### Indication of immediate medical attention and special treatment needed

<b>General information</b>	If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.
<b>Specific treatments</b>	No specific recommendations.

## 5. Fire-fighting measures

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### Extinguishing media

**Suitable extinguishing media** Water, foam, carbon dioxide (CO<sub>2</sub>), and dry powder.

### Special hazards arising from the substance or mixture

**General information** Products do not pose a fire hazard in use; however, some packaging materials or facings may be combustible. In fire conditions, the binder will decompose giving off carbon monoxide, carbon dioxide, carbon particulate and traces of hydrogen cyanide from pyrolysis of the resin.

### Advice for firefighters

**General information** In large fires in poorly ventilated areas involving packaging materials respiratory protection / breathing apparatus may be required.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Minimize direct contact with skin in order to prevent mechanical itching. In dusty environments, use suitable respiratory protection such as 3M 8210, N95 or equivalent. Use glasses or goggles when working with mineral wool insulation above shoulder height or in dusty environments. Where possible, use natural ventilation during installation in order to minimize dust levels.

After contact with the product, rinse skin in cold water to reduce potential effects of mechanical itching. Dispose of surplus product in accordance with local regulations.

Use personal protection recommended in Section 8 of the SDS.

### Environmental precautions

**Environmental precautions** Not relevant.

### Methods and material for containment and cleaning up

**Methods for cleaning up** In dusty environments, use vacuum equipment where possible to minimize dust levels.

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid breathing dust. Assure proper respiratory protection if dust potential exceeds PEL/TLV. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** To ensure optimum product performance; when packaging is removed or opened; products should be stored inside or covered to protect them from ingress of rain water or snow. Storage arrangements should ensure stability of stacked products and use on a first in first out basis (FIFO) is recommended.

### Specific end uses(s)

**Specific end use(s)** Thermal and/or acoustic insulation for use in technical applications, industrial applications and in building construction.

## 8. Exposure controls/Personal protection

### Control parameters

### Occupational exposure limits

Biosoluble glass mineral wool

## Uncured Glass Mineral Wool Insulation

Long-term exposure limit (8-hour TWA): ACGIH, (Notes: (A3)) 1 f/cc Glass wool fibers

Long-term exposure limit (8-hour TWA): NIOSH 5 mg/m<sup>3</sup> Mineral wool fiber, total particulate

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> Particulates not otherwise regulated (PNOR), respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> Particulates not otherwise regulated (PNOR), total dust

### Carbon black

Long-term exposure limit (8-hour TWA): ACGIH 3 mg/m<sup>3</sup> inhalable fraction

A3

Long-term exposure limit (8-hour TWA): OSHA 3.5 mg/m<sup>3</sup>

### Disposable Low Density Polyethylene Interleaving

Long-term exposure limit (8-hour TWA): OSHA, ACGIH 5 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): ACGIH, OSHA 10 mg/m<sup>3</sup> total dust

### Phenol

Long-term exposure limit (8-hour TWA): NIOSH, (Notes: Sk, CT) 5 ppm 19 mg/m<sup>3</sup>

Ceiling exposure limit: NIOSH, (Notes: Sk, CT) 15.6 ppm 60 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): OSHA, (Notes: Sk) 5 ppm 19 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH, (Notes: A4, Sk, BEI) 5 ppm 19 mg/m<sup>3</sup>

### Formaldehyde

Ceiling exposure limit: ACGIH 0.3 ppm 0.37 mg/m<sup>3</sup>

A2, DSens, RSens

Long-term exposure limit (8-hour TWA): OSHA 0.75 ppm

Short-term exposure limit (15-minute): OSHA 2 ppm

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

A2 = Suspected Human Carcinogen.

DSens = Dermal sensitizer.

RSens = Respiratory sensitizer.

NIOSH = The National Institute for Occupational Safety and Health.

### Ingredient comments

(A3) - Fibers longer than 5 µm; diameter less than 3 µm; aspect ratio greater than 5:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective) phase contrast illumination.

Biosoluble glass mineral wool - See section 3.

Ca = Potential occupational carcinogen

CT = Ceiling time.

DSens = Dermal sensitizer.

RSens = Respiratory sensitizer.

A2 = Suspected Human Carcinogen.

Sk = Danger of cutaneous absorption.

A4 = Not Classified as a Human Carcinogen.

BEI = Biological Exposure Index.

### Carbon black (CAS: 1333-86-4)

**Immediate danger to life and health** 1750 mg/m<sup>3</sup>

### Phenol (CAS: 108-95-2)

**Immediate danger to life and health** 250 ppm

### Formaldehyde (CAS: 50-00-0)

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**Immediate danger to life and health** 20 ppm 20 ppm

### Exposure controls

<b>Appropriate engineering controls</b>	Maintain sufficient mechanical or natural ventilation to assure fiber concentrations remain below PEL/TLV. Use local exhaust if necessary. Power equipment should be equipped with properly designed dust collection devices.
<b>Eye/face protection</b>	Use glasses or goggles when working with mineral wool insulation above shoulder height or in dusty environments.
<b>Other skin and body protection</b>	Minimize direct contact with skin in order to prevent mechanical itching. Gloves suitable for protection from chemicals are recommended to minimize effects from uncured binder and fibers. Rinse washer thoroughly.
<b>Hygiene measures</b>	After contact with the product, rinse skin in cold water to reduce potential effects of mechanical itching.
<b>Respiratory protection</b>	In dusty environments, use suitable respiratory protection.
<b>Thermal hazards</b>	Not relevant.
<b>Environmental exposure controls</b>	Not relevant.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Solid. Rolls. Panel. Loose fiber.
<b>Color</b>	White. / Yellow. / Black.
<b>Odor</b>	Phenol formaldehyde odor
<b>Odor threshold</b>	No data available.
<b>pH</b>	Not relevant.
<b>Melting point</b>	Not relevant.
<b>Initial boiling point and range</b>	Not relevant.
<b>Flash point</b>	Not relevant.
<b>Evaporation rate</b>	Not relevant.
<b>Flammability (solid, gas)</b>	Not relevant.
<b>Upper/lower flammability or explosive limits</b>	Not relevant.
<b>Vapor pressure</b>	Not relevant.
<b>Vapor density</b>	Not relevant.
<b>Relative density</b>	7 - 96 kg/m <sup>3</sup>
<b>Solubility(ies)</b>	Generally chemically inert and slightly soluble in water.
<b>Partition coefficient</b>	Not relevant.
<b>Auto-ignition temperature</b>	Not relevant.
<b>Decomposition Temperature</b>	Not relevant.

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<b>Viscosity</b>	Not relevant.
<b>Explosive properties</b>	Not relevant.
<b>Oxidizing properties</b>	Not relevant.
<b>Nominal diameter of fibers.</b>	3 - 8µm
<b>Length weight geometric mean diameter less 2 standard errors</b>	< 6 µm
<b>Orientation of fibers</b>	Random

### 10. Stability and reactivity

<b>Reactivity</b>	None.
<b>Stability</b>	This is a stable, non-reactive product.
<b>Possibility of hazardous reactions</b>	None.
<b>Conditions to avoid</b>	None.
<b>Materials to avoid</b>	Hydrofluoric acid will react with and dissolve glass.
<b>Hazardous decomposition products</b>	Thermal decomposition of the resin may include carbon dioxide, carbon monoxide, and traces of carbon particulate.

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met. Estimated value.

**ATE oral (mg/kg)** 13,757.0

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met. Estimated value.

**ATE dermal (mg/kg)** 57,951.0

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met. Estimated value.

**ATE inhalation (gases ppm)** 231,500.0

**ATE inhalation (dusts/mists mg/l)** 138.0

##### Skin corrosion/irritation

**Skin corrosion/irritation** May cause mechanical irritation to skin.

##### Serious eye damage/irritation

**Serious eye damage/irritation** May cause mechanical irritation to eyes.

##### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

##### Skin sensitization



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<b>Skin sensitization</b>	Sensitizing. May cause an allergic skin reaction.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	May cause cancer.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not relevant.
<b>General information</b>	<p>Formaldehyde was found to be corrosive to the eyes of rabbits. Formaldehyde was sensitizing in the guinea pig maximization test and the local lymph node assay with mice; however, there was no evidence of respiratory sensitization in various studies in mice.</p> <p>The uncured resin contains up to 0.2 % free formaldehyde. The International Agency for Research on Cancer (IARC) has classified formaldehyde as a Group 1 human carcinogen (June 2004). Formaldehyde did not cause reproductive and/or developmental effects when tested in animals. Repeated formaldehyde exposure caused toxic effects only in the tissues of direct contact after inhalation, oral or dermal exposure characterised by local cytotoxic destruction and subsequent repair of the damage. The typical locations of lesions in experimental animals were the nose after inhalation, the stomach after oral administration and the skin after dermal application.</p>
<b>Inhalation</b>	Mechanical irritation to upper respiratory tract.
<b>Ingestion</b>	Non-hazardous when ingested.
<b>Skin Contact</b>	Repeated or prolonged exposure may cause an allergic skin reaction. Mechanical irritation to skin.
<b>Eye contact</b>	Mechanical irritation to eyes.
<b>Acute and chronic health hazards</b>	May cause cancer. May cause an allergic skin reaction.
<b>Medical Symptoms</b>	Prolonged and repeated exposure may cause cancer. Repeated or prolonged exposure may cause an allergic skin reaction. Contact with skin, eyes and upper respiratory system may cause mechanical irritation. Biosoluble glass mineral wool is classified as a nuisance dust by OSHA.

### Toxicological information on ingredients.

#### Phenol

#### Acute toxicity - oral

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<b>Notes (oral LD<sub>50</sub>)</b>	Estimated value.
<b>ATE oral (mg/kg)</b>	100.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	660.0
<b>Species</b>	Rat
<b>ATE dermal (mg/kg)</b>	660.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)</b>	0.9
<b>Species</b>	Rat
<b>ATE inhalation (dusts/mists mg/l)</b>	0.9
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Corrosive to skin.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b><u>Respiratory sensitization</u></b>	
<b>Respiratory sensitization</b>	No data available.
<b><u>Skin sensitization</u></b>	
<b>Skin sensitization</b>	Not sensitizing.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Chromosome aberration: Positive.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>IARC carcinogenicity</b>	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Target organs</b>	Kidneys Liver Skin Nervous system
<b><u>Aspiration hazard</u></b>	

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**Aspiration hazard** Not relevant.

### Formaldehyde

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 260.0

**Species** Guinea pig

**ATE oral (mg/kg)** 260.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 270.0

**Species** Rabbit

**ATE dermal (mg/kg)** 270.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> gases ppmV)** 463.0

**Species** Rat

**ATE inhalation (gases ppm)** 463.0

#### Skin corrosion/irritation

**Skin corrosion/irritation** Corrosive to skin.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

#### Respiratory sensitization

**Respiratory sensitization** Guinea pig: Not sensitizing.

#### Skin sensitization

**Skin sensitization** Sensitizing. May cause an allergic skin reaction.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Positive.

#### Carcinogenicity

**Carcinogenicity** May cause cancer.

**IARC carcinogenicity** IARC Group 1 Carcinogenic to humans.

**NTP carcinogenicity** Known human carcinogen.

**OSHA Carcinogenicity** Listed as a carcinogen under OSHA

#### Reproductive toxicity

**Reproductive toxicity - fertility** No evidence of reproductive toxicity in animal studies.

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**Reproductive toxicity - development** No evidence of reproductive toxicity in animal studies.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Based on available data the classification criteria are not met.

**Aspiration hazard**

**Aspiration hazard** Not relevant.

### 12. Ecological information

**Toxicity** This product is not ecotoxic to air, water or soil, by composition.

**Persistence and degradability**

**Persistence and degradability** No data available.

**Bioaccumulative potential**

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

**Partition coefficient** Not relevant.

**Mobility in soil**

**Mobility** No data available.

**Other adverse effects**

**Other adverse effects** None known.

### 13. Disposal considerations

**Waste treatment methods**

**General information** Dispose of in accordance with all applicable regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Disposal methods** This product is not regulated under RCRA Hazardous Waste Regulations. May be disposed in landfill. If unsure, contact the local office of the USEPA, your local public health department or the local landfill regulators.

### 14. Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

**UN Number**

**UN No. (International)** Not applicable.

**UN proper shipping name**

**Proper shipping name (International)** Not applicable.

**Transport hazard class(es)**

**Transport Labels (International)** No transport warning sign required.

**Packing group**

## Uncured Glass Mineral Wool Insulation

**Packing group (International)** Not applicable.

### Environmental hazards

#### **Environmentally Hazardous Substance**

No.

#### Special precautions for user

Not applicable.

**Transport in bulk according to** Not applicable.

#### **Annex II of MARPOL 73/78**

**and the IBC Code**

### **15. Regulatory information**

#### **Regulatory Status**

The product is classified as hazardous.

In accordance with industry practice, Knauf Insulation has decided to continue to provide its customers with the appropriate information for the purpose of assuring safe handling and use of mineral wool throughout the product life.

### US Federal Regulations

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

The following ingredients are listed:

##### *Formaldehyde*

EPCRA 302 TPQ 500 lbs Tier II TPQ 500 lbs

##### *Phenol*

EPCRA 302 TPQ 10000 lbs TPQ if the solid exists in powdered form and has a particle size less than 100 microns 500 lbs  
Tier II TPQ 500 lbs

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

The following ingredients are listed:

##### *Formaldehyde*

Final CERCLA RQ: 100(45.4) pounds (Kilograms)

##### *Phenol*

Final CERCLA RQ: 1000(454) pounds (Kilograms)

#### **SARA 313 Emission Reporting**

The following ingredients are listed:

##### *Formaldehyde*

0.1 %

##### *Phenol*

1.0 %

#### **SARA (311/312) Hazard Categories**

Chronic

### US State Regulations

## Uncured Glass Mineral Wool Insulation

### California Proposition 65 Carcinogens and Reproductive Toxins



#### WARNING

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

*Formaldehyde*

#### Massachusetts "Right To Know" List

*Formaldehyde*

*Carbon black*

*Phenol*

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

*Formaldehyde*

*Carbon black*

*Phenol*

#### Minnesota "Right To Know" List

*Formaldehyde*

*Carbon black*

*Phenol*

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

*Formaldehyde*

*Carbon black*

*Phenol*

#### Pennsylvania "Right To Know" List

*Formaldehyde*

*Carbon black*

*Phenol*

#### Inventories

##### US - TSCA

All the ingredients are listed or exempt.

#### 16. Other information

## Uncured Glass Mineral Wool Insulation

### Abbreviations and acronyms used in the safety data sheet

CAS: Chemical Abstracts Service.  
 IARC: International Agency for Research on Cancer.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 NIOSH: The National Institute for Occupational Safety and Health.  
 OSHA: Occupational Safety and Health Administration.  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PEL: Permissible Exposure Limit.  
 SARA: Superfund Amendments and Reauthorization Act.  
 TLV: Threshold Limit Value.  
 TSCA: Toxic Substances Control Act.  
 USEPA: United States Environmental Protection Agency.  
 vPvB: Very Persistent and Very Bioaccumulative.

### General information

All products manufactured by Knauf Insulation are made of non-classified fibers and are certified by EUCEB. Products meeting EUCEB certification requirements can be recognised by the EUCEB logo printed on the packaging.

### Further information can be obtained from:

[www.euceb.org](http://www.euceb.org)    [www.knaufinsulation.com](http://www.knaufinsulation.com)



### Key literature references and sources for data

<http://www.knaufinsulation.com/comfort-and-handling>

### Revision comments

§1

### Supersedes date

4/11/2019

### Revision date

12/6/2019

### Revision

3.3

### SDS No.

4648

### Hazard statements in full

H301 Toxic if swallowed.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H330 Fatal if inhaled.  
 H331 Toxic if inhaled.  
 H335 May cause respiratory irritation.  
 H341 Suspected of causing genetic defects.  
 H350 May cause cancer.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.

### Other information

In 2001, the International Agency for Research on Cancer (IARC) reclassified glass mineral wool fibres from Group 2B (possibly carcinogenic) to Group 3 «agent which cannot be classified as for their carcinogenicity to humans». (See Monograph Vol 81, <http://monographs.iarc.fr/>)

## Uncured Glass Mineral Wool Insulation

This Safety Data Sheet / Product Data Sheet does not constitute a workplace assessment. Information contained in this document represents the state of our knowledge regarding this product as of the date of issue of the document. Attention of users is drawn to possible risks taken when the product is used for other applications than the ones it has been designed for.