

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : LW 20 & LW20-LI  
CAS-No. : Mixture  
Product code : 4452, 8573  
Other means of identification : Insulating Fire Brick

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Refractory Brick  
Recommended use : Industrial use

#### 1.3. Supplier

Resco Products, Inc.  
One Robinson Plaza, Suite 300  
6600 Steubenville Pike  
Pittsburgh, PA, 15205  
United States  
412-494-4491  
[SDS@RescoProducts.com](mailto:SDS@RescoProducts.com) - [WWW.RescoProducts.com](http://WWW.RescoProducts.com)

#### 1.4. Emergency telephone number

Emergency number : EMERGENCY ONLY (CHEMTREC) USA & Canada 1-800-424-9300  
Outside USA & Canada +1 703-741-5970

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Carcinogenicity Category 1A H350 May cause cancer (Inhalation, Dust when sawing or tear out)  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger  
Hazard statements (GHS US) : H350 - May cause cancer (Inhalation, Dust when sawing or tear out)  
May dry/chap skin.  
Dust from sawing or tear out may irritate eye.  
Precautionary statements (GHS US) : P260 - Do not breathe dust.  
P280 - Wear Safety shoes, protective gloves, eye protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name         | Product identifier  | %       | GHS US classification |
|--------------|---------------------|---------|-----------------------|
| cristobalite | CAS-No.: 14464-46-1 | 10 – 20 | Carc. 1A, H350        |

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person.  
First-aid measures after inhalation : Allow affected person to breathe fresh air.  
First-aid measures after skin contact : Gently wash with plenty of soap and water.

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First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.  
Symptoms/effects after skin contact : Slight irritation.  
Symptoms/effects after eye contact : Dust from sawing or tear out may irritate eye.  
Symptoms/effects after ingestion : No data available.

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media : In case of fire, all extinguishing media allowed.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Non-flammable.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

### 6.2. Environmental precautions

No additional information available

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

Methods for cleaning up : Collect spillage.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wear Safety shoes, Gloves.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Store this product in a dry location where it can be protected from the elements.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### LW 20 & LW20-LI (Mixture)

No additional information available

#### crystalite (14464-46-1)

#### USA - ACGIH - Occupational Exposure Limits

|               |   |
|---------------|---|
| ACGIH OEL TWA | 0.025 mg/m <sup>3</sup> respirable dust |
|---------------|---|

#### USA - OSHA - Occupational Exposure Limits

|                    |  |
|--------------------|--|
| OSHA PEL (TWA) [1] | 0.05 mg/m <sup>3</sup> respirable dust |
|--------------------|--|

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Dust when sawing or tear out. Provide adequate ventilation to minimize dust concentrations.

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### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Wear suitable protective clothing. Safety shoes

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Dust when sawing or tear out

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                            |
|---|----------------------------|
| Physical state                                  | : Solid                    |
| Appearance                                      | : Tan Colored Brick Shape. |
| Color   | : light brown              |
| Odor  | : None                     |
| Odor threshold                                  | : No data available        |
| pH  | : No data available        |
| Melting point                                   | : > 2000 °F                |
| Freezing point                                  | : No data available        |
| Boiling point                                   | : No data available        |
| Flash point                                     | : No data available        |
| Relative evaporation rate (butyl acetate=1)     | : No data available        |
| Flammability (solid, gas)                       | : No data available        |
| Vapor pressure                                  | : No data available        |
| Relative vapor density at 20 °C                 | : No data available        |
| Relative density                                | : ≈ 0.6                    |
| Solubility                                      | : Insoluble in water.      |
| Partition coefficient n-octanol/water (Log Pow) | : No data available        |
| Auto-ignition temperature                       | : No data available        |
| Decomposition temperature                       | : No data available        |
| Viscosity, kinematic                            | : No data available        |
| Viscosity, dynamic                              | : No data available        |
| Explosion limits                                | : No data available        |
| Explosive properties                            | : No data available        |
| Oxidizing properties                            | : No data available        |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

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Skin corrosion/irritation : Not classified

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|    |       |
|----|-------|
| pH | 6 – 7 |
|----|-------|

Serious eye damage/irritation : Not classified

### crystalobalite (14464-46-1)

|    |       |
|----|-------|
| pH | 6 – 7 |
|----|-------|

Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : May cause cancer (Inhalation, Dust when sawing or tear out).  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Viscosity, kinematic : No data available  
Symptoms/effects after inhalation : May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.  
Symptoms/effects after skin contact : Slight irritation.  
Symptoms/effects after eye contact : Dust from sawing or tear out may irritate eye.  
Symptoms/effects after ingestion : No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

#### crystalobalite (14464-46-1)

|                               |                          |
|-------------------------------|--------------------------|
| Persistence and degradability | Mineral. Not applicable. |
| Chemical oxygen demand (COD)  | Not applicable           |
| ThOD                          | Not applicable           |
| BOD (% of ThOD)               | Not applicable           |

### 12.3. Bioaccumulative potential

#### crystalobalite (14464-46-1)

|                           |                    |
|---------------------------|--------------------|
| Bioaccumulative potential | No data available. |
|---------------------------|--------------------|

### 12.4. Mobility in soil

#### crystalobalite (14464-46-1)

|                |                    |
|----------------|--------------------|
| Ecology - soil | No data available. |
|----------------|--------------------|

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### Department of Transportation (DOT)

Not regulated

### Transportation of Dangerous Goods

Not regulated

### Transport by sea

Not regulated

### Air transport

Not regulated

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### 15.2. International regulations

##### CANADA

##### crystalobalite (14464-46-1)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

##### LW 20 & LW20-LI (Mixture)

|  |  |
|--|--|
| U.S. - California - Proposition 65 - Other information | This product contains crystalline silica, a chemical known to the State of California to cause cancer. For more information go to <a href="http://WWW.P65Warnings.ca.gov">WWW.P65Warnings.ca.gov</a> |
|--|--|

##### crystalobalite (14464-46-1)

| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|---|---|---|---|----------------------------------|-------------------------------------|
| Yes   | No  | No  | No  |                                  |                                     |

##### Component

##### State or local regulations

|                           |   |
|---------------------------|---|
| Cristobalite (14464-46-1) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
|---------------------------|---|

### SECTION 16: Other information

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Revision date : 08/31/2022

Other information : Report language name. English. In the event of any conflict between English and other language versions, the English version shall prevail.

#### Full text of H-phrases

|      |                  |
|------|------------------|
| H350 | May cause cancer |
|------|------------------|

Safety Data Sheet (SDS), USA

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