

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Paco Mix 35  
CAS-No. : Mixture  
Product code : 0035  
Other means of identification : Alumina-Silicate Block

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

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

#### 1.3. Supplier

Resco Products, Inc.  
One Robinson Plaza, Suite 300  
6600 Steubenville Pike  
Pittsburgh, PA, 15205  
United States  
T 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)

No additional information available

### 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
aluminium oxide, non-fibrous	CAS-No.: 1344-28-1	5 – 10	Not classified

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 : 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 : Not 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

#### Paco Mix 35 (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

#### aluminium oxide, non-fibrous (1344-28-1)

##### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA | 1 mg/m<sup>3</sup> respirable dust

### 8.2. Appropriate engineering controls

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

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

#### Hand protection:

Wear protective gloves.

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<b>Eye protection:</b>	
Chemical goggles or safety glasses	
<b>Skin and body protection:</b>	
Safety shoes. Wear suitable protective clothing	
<b>Respiratory protection:</b>	
In case of inadequate ventilation wear respiratory protection.	
<b>SECTION 9: Physical and chemical properties</b>	
<b>9.1. Information on basic physical and chemical properties</b>	
Physical state	: Solid
Appearance	: Tan Colored Brick Shape.
Color	: light brown
Odor	: None
Odor threshold	: No data available
pH	: No data available
Melting point	: > 2500 °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)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: ≈ 2.2
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
<b>9.2. Other information</b>	
No additional information available	
<b>SECTION 10: Stability and reactivity</b>	
<b>10.1. Reactivity</b>	
None known.	
<b>10.2. Chemical stability</b>	
Stable under normal conditions.	
<b>10.3. Possibility of hazardous reactions</b>	
No additional information available	
<b>10.4. Conditions to avoid</b>	
No additional information available	
<b>10.5. Incompatible materials</b>	
No additional information available	
<b>10.6. Hazardous decomposition products</b>	
No additional information available	
<b>SECTION 11: Toxicological information</b>	
<b>11.1. Information on toxicological effects</b>	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
<b>aluminium oxide, non-fibrous (1344-28-1)</b>	
LD50 oral rat	> 15900 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))

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aluminium oxide, non-fibrous (1344-28-1)	
LC50 Inhalation - Rat	> 2.3 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
Skin corrosion/irritation	: Not classified
cristobalite (14464-46-1)	
pH	6 – 7
aluminium oxide, non-fibrous (1344-28-1)	
pH	9 – 10.5 (aqueous suspension, 33 %)
Serious eye damage/irritation	: Not classified
cristobalite (14464-46-1)	
pH	6 – 7
aluminium oxide, non-fibrous (1344-28-1)	
pH	9 – 10.5 (aqueous suspension, 33 %)
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
aluminium oxide, non-fibrous (1344-28-1)	
Viscosity, kinematic	Not applicable (solid)
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	: 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	
aluminium oxide, non-fibrous (1344-28-1)	
LC50 - Fish [1]	> 100 mg/l (96 h, Salmo trutta, Literature study)
EC50 - Crustacea [1]	> 100 mg/l (48 h, Daphnia magna, Literature study)
12.2. Persistence and degradability	
cristobalite (14464-46-1)	
Persistence and degradability	Mineral. Not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
aluminium oxide, non-fibrous (1344-28-1)	
Persistence and degradability	Not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
12.3. Bioaccumulative potential	
cristobalite (14464-46-1)	
Bioaccumulative potential	No data available.

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<b>aluminium oxide, non-fibrous (1344-28-1)</b>	
Bioaccumulative potential	No data available.
<b>12.4. Mobility in soil</b>	
<b>crystalobalite (14464-46-1)</b>	
Ecology - soil	No data available.
<b>aluminium oxide, non-fibrous (1344-28-1)</b>	
Surface tension	No data available in the literature
Ecology - soil	No data available.
<b>12.5. Other adverse effects</b>	
No additional information available	
<b>SECTION 13: Disposal considerations</b>	
<b>13.1. Disposal methods</b>	
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.	
<b>SECTION 14: Transport information</b>	
In accordance with DOT / TDG / IMDG / IATA <b>Department of Transportation (DOT)</b> In accordance with DOT Not regulated <b>Transportation of Dangerous Goods</b> Not regulated <b>Transport by sea</b> Not regulated <b>Air transport</b> Not regulated	
<b>SECTION 15: Regulatory information</b>	
<b>15.1. US Federal regulations</b>	
All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory	
<b>aluminium oxide, non-fibrous (1344-28-1)</b>	
Not subject to reporting requirements of the United States SARA Section 313	
Note	Note: The section 313 chemical list contains "CAS # 1344-28-1 Aluminum Oxide (Fibrous forms)"; the Aluminum oxide contained in this product is non-fibrous, and thus is not a section 313 material. Only manufacturing, processing, or otherwise use of aluminum oxide in the fibrous form triggers reporting.
<b>15.2. International regulations</b>	
<b>CANADA</b>	
<b>crystalobalite (14464-46-1)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>aluminium oxide, non-fibrous (1344-28-1)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>EU-Regulations</b>	
No additional information available	
<b>National regulations</b>	
No additional information available	
<b>15.3. US State regulations</b>	
<b>Paco Mix 35 (Mixture)</b>	
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>

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<b>crystalite (14464-46-1)</b>					
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		

<b>Component</b>	<b>State or local regulations</b>
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
aluminium oxide, non-fibrous (1344-28-1)	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

: 5/14/2024

Other information

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

<b>Full text of H-phrases</b>	
H350	May cause cancer

Safety Data Sheet (SDS), USA

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