



## Safety Data Sheet

Prepared in Accordance with HCS 29  
C.F.R. 1910.1200

### 1. Identification of the Substance/Mixture and the Company/Undertaking

- 1.1 Product Identifier** 0130S7NL **Revision Date:** 05/24/2021  
**Product Name:** PYROCRETE 40 **Supersedes Date:** 09/17/2020
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Fireproofing material.
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer:** Carboline Company  
 2150 Schuetz Road  
 St. Louis, MO USA 63146
- Regulatory / Technical Information:  
 Contact Carboline Technical Services at  
 1-800-848-4645
- Datasheet Produced by:** Beebe, Hayli - regulatory@carboline.com
- 1.4 Emergency telephone number:** CHEMTREC 1-800-424-9300 (Inside US)  
 CHEMTREC +1 703 5273887 (Outside US)  
 HEALTH - Pittsburgh Poison Control 1-412-681-6669

### 2. Hazard Identification

#### 2.1 Classification of the substance or mixture

Hazardous to the aquatic environment, Chronic, category 3  
 Carcinogenicity, category 1A  
 Skin Corrosion, category 1  
 Skin Sensitizer, category 1

## 2.2 Label elements

### Symbol(s) of Product



### Signal Word

Danger

### Named Chemicals on Label

MICROCRYSTALLINE SILICA, PORTLAND CEMENT

### HAZARD STATEMENTS

Skin Corrosion, category 1	H314-1	Causes severe skin burns and eye damage.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Carcinogenicity, category 1A	H350-1A	May cause cancer.
Hazardous to the aquatic environment, Chronic, category 3	H412	Harmful to aquatic life with long lasting effects.

### PRECAUTION PHRASES

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P308+313	IF exposed or concerned: Get medical advice/attention
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

### 2.3 Other hazards

No Information

#### Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

## 3. Composition/Information On Ingredients

### 3.2 Mixtures

#### Hazardous ingredients

<u>Name According to EEC</u>	<u>EINEC No.</u>	<u>CAS-No.</u>	<u>%</u>	<u>Classifications</u>
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PORTLAND CEMENT	266-043-4	65997-15-1	50 - <75	H315-317-318	
MICA	601-648-2	12001-26-2	10 - <25	H319-335	
CHLOROTHALONIL (ISO)	217-588-1	1897-45-6	0.1 - <1.0	H317-318-330-335-351-400-410	
MICROCRYSTALLINE SILICA	238-878-4	14808-60-7	0.1 - <1.0	H350-372	Carc. 1A, STOT RE 1

<u>CAS-No.</u>	<u>M-Factors</u>
65997-15-1	0
12001-26-2	0
1897-45-6	0
14808-60-7	0

**Additional Information:** The text for GHS Hazard Statements shown above (if any) is given in Section 16.

## 4. First-aid Measures

### 4.1 Description of First Aid Measures

**AFTER INHALATION:** Remove person to fresh air. If signs/symptoms continue, get medical attention.

**AFTER SKIN CONTACT:** Wash off with soap and plenty of water.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**AFTER INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately.

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

Irritating to respiratory system.

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

No Information

## 5. Fire-fighting Measures

### 5.1 Extinguishing Media:

None Known

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information

**FOR SAFETY REASONS NOT TO BE USED:** No Information

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

No Information

### 5.3 Advice for firefighters

**SPECIAL FIREFIGHTING PROCEDURES:** The product is not flammable.

**SPECIAL FIREFIGHTING PROTECTION EQUIPMENT:** No Information

## 6. Accidental Release Measures

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

Use personal protective equipment. Sweep up to prevent slipping hazard. Forms slippery/greasy layers with water.

### 6.2 Environmental precautions

No Information

**6.3 Methods and material for containment and cleaning up**

No Information

**6.4 Reference to other sections**

No Information

**7. Handling and Storage****7.1 Precautions for safe handling**

**INSTRUCTIONS FOR SAFE HANDLING :** Avoid breathing dust. Do not breathe vapours or spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

**PROTECTION AND HYGIENE MEASURES :** Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust. Wash hands before eating, drinking, or smoking.

**7.2 Conditions for safe storage, including any incompatibilities**

**CONDITIONS TO AVOID:** Exposure to moisture.

**STORAGE CONDITIONS:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**7.3 Specific end use(s)**

No Information

**8. Exposure Controls/Personal Protection****8.1 Control parameters****Ingredients with Occupational Exposure Limits (US)**

<u>Name</u>	<u>CAS-No.</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>	<u>ACGIH Ceiling</u>
PORTLAND CEMENT	65997-15-1	1 MGM3	N/E	N/E
MICA	12001-26-2	3 MGM3	N/E	N/E
CHLOROTHALONIL (ISO)	1897-45-6	N/E	N/E	N/E
MICROCRYSTALLINE SILICA	14808-60-7	0.025 MGM3	N/E	N/E

<u>Name</u>	<u>CAS-No.</u>	<u>OSHA PEL</u>	<u>OSHA STEL</u>
PORTLAND CEMENT	65997-15-1	5 MGM3 15 MGM3	N/E
MICA	12001-26-2	20. MPPCF	N/E
CHLOROTHALONIL (ISO)	1897-45-6	N/E	N/E
MICROCRYSTALLINE SILICA	14808-60-7	0.05 MGM3	N/E

**FURTHER ADVICE:** No Information**8.2 Exposure controls****Personal Protection**

**RESPIRATORY PROTECTION:** Effective dust mask. Use NIOSH approved respiratory protection.

**EYE PROTECTION:** Safety glasses with side-shields.

**HAND PROTECTION:** For prolonged or repeated contact use protective gloves.

**OTHER PROTECTIVE EQUIPMENT:** None.

**ENGINEERING CONTROLS:** Avoid dust accumulation in enclosed space.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Grey Speckled Powder
Physical State	Solid
Odor	Dusty
Odor threshold	N/D
pH	N/D
Melting point / freezing point (°C)	N/D
Boiling point/range (°C)	N/A - N/A
Flash Point (°C)	None
Evaporation rate	N/A
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	N/A - N/A
Vapour Pressure, mmHg	N/A
Vapour density	N/A
Relative density	Not determined
Solubility in / Miscibility with water	N/D
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	Not determined
Decomposition temperature (°C)	Not determined
Viscosity	Unknown
Explosive properties	Not determined
Oxidising properties	Not determined

### 9.2 Other information

VOC Content g/l:	0
Specific Gravity (g/cm <sup>3</sup> )	0.120

## 10. Stability and Reactivity

### 10.1 Reactivity

No Information

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

Exposure to moisture.

### 10.5 Incompatible materials

Strong oxidizing agents.

**10.6 Hazardous decomposition products**

None known.

**11. Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity:**

Oral LD50: N/D

Inhalation LC50: N/D

**Irritation:** Unknown**Corrosivity:** Skin Corrosion, category 1**Sensitization:** Skin sensitization, category 1**Repeated dose toxicity:** Unknown**Carcinogenicity:** Carcinogenicity, category 1A**Mutagenicity:** Unknown**Toxicity for reproduction:** Unknown**STOT-single exposure:** Unknown**STOT-repeated exposure:** Unknown**Aspiration hazard:** Unknown

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>	<u>Gas LC50</u>	<u>Dust/Mist LC50</u>
65997-15-1	PORTLAND CEMENT	Not Available		Not Available	0.000	0.000
12001-26-2	MICA	Not Available	Not Available	Not Available	0.000	0.000
1897-45-6	CHLOROTHALONIL (ISO)	5000 MG/KG, ORAL, RAT	Not Available	0.10 Mg/l, Inh, Rat	0.000	0.000
14808-60-7	MICROCRYSTALLINE SILICA	22500 mg/kg	Not Available	Not Available	0.000	0.000

**Additional Information:**

The cement contained within this product may cause dermal sensitization due to the potential presence of trace amounts of hexavalent chromium. This product contains silica which is classified by IARC as a known human carcinogen (Group 1). Crystalline silica is known to cause silicosis. The classification(s) is/are relevant when exposed to these respirable substances in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

## 12. Ecological Information

- 12.1 **Toxicity:**
- |                      |         |
|----------------------|---------|
| EC50 48hr (Daphnia): | Unknown |
| IC50 72hr (Algae):   | Unknown |
| LC50 96hr (fish):    | Unknown |
- 12.2 **Persistence and degradability:** Unknown
- 12.3 **Bioaccumulative potential:** Unknown
- 12.4 **Mobility in soil:** Unknown
- 12.5 **Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.
- 12.6 **Other adverse effects:** Unknown

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
65997-15-1	PORTLAND CEMENT	No information	No information	No information
12001-26-2	MICA	No information	No information	No information
1897-45-6	CHLOROTHALONIL (ISO)	0.097 mg/l (Daphnia Magna)	No information	0.42 mg/l (Rainbow Trout)
14808-60-7	MICROCRYSTALLINE SILICA	No information	No information	No information

## 13. Disposal Considerations

- 13.1 **WASTE TREATMENT METHODS:** Dispose of in accordance with local regulations.

## 14. Transport Information

- |   |               |
|---|---------------|
| 14.1 UN number  | N/A           |
| 14.2 UN proper shipping name  | Not Regulated |
| Technical name  | N/A           |
| 14.3 Transport hazard class(es)   | None          |
| Subsidiary shipping hazard  | N/A           |
| 14.4 Packing group  | N/A           |
| 14.5 Environmental hazards  | No            |
| 14.6 Special precautions for user   | Unknown       |
| EmS-No.:  | None          |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Unknown       |

## 15. Regulatory Information

- 15.1 **Safety, health and environmental regulations/legislation for the substance or mixture:**

**U.S. Federal Regulations: As follows -**

**CERCLA - Sara Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Carcinogenicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>%</u>
CHLOROTHALONIL (ISO)	1897-45-6	0.48

#### Toxic Substances Control Act:

All components of this product are either listed on the TSCA Inventory or are exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

#### U.S. State Regulations: As follows -

##### New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
VERMICULITE	1318-00-9
LIMESTONE	1317-65-3
AMORPHOUS SILICATE	93763-70-3

##### Pennsylvania Right-To-Know

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS-No.</u>
VERMICULITE	1318-00-9
LIMESTONE	1317-65-3

##### CALIFORNIA PROPOSITION 65

WARNING: Cancer and Reproductive Harm -- [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

#### International Regulations: As follows -

##### \* Canadian DSL:

All chemical ingredients included on inventory (DSL)

#### 15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### 16. Other Information

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H315 Causes skin irritation.



H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Reasons for revision**

No Information

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.