

**Safety Data Sheet**  
**according to Regulation (EC)**  
**No. 453/2010**



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

- 1.1 Product Identifier** PC240HY
- Product Name:** Pyrocrete 240HY      **Revision Date:** 27/11/2013
- Supercedes Date:** New SDS
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Monocomponent industrial coating - Industrial use
- 1.3 Details of the supplier of the safety data sheet**
- Importer:** None
- Manufacturer:** StonCor Middle East L.L.C.  
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- Regulatory / Technical Information:**  
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## 2. Hazard Identification

### 2.1 Classification of the substance or mixture

#### Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

Serious Eye Damage, category 1

Flammable Solid, category 1

Skin Irritation, category 2

Skin Sensitizer, category 1

#### Classification according to Dangerous Preparation Directive - EC Directive 1999/45/EC

Highly Flammable

### 2.2 Label elements

#### Symbol(s) of Product



#### Signal Word

Danger

#### Named Chemicals on Label

disodium metasilicate, portland cement

#### HAZARD STATEMENTS

Serious Eye Damage, category 1	H318	Causes serious eye damage.
Flammable Solid, category 1	H228-1	Flammable solid.
Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.

#### PRECAUTION PHRASES

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P280	Wear protective gloves/protective clothing/eye protection/ face protection.
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.
P310	Immediately call a POISON CENTER or doctor/physician.
P332+P313	If skin irritation occurs: Get medical advice/attention.

### 2.3 Other hazards

Not applicable

#### 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>CAS-No.</u>	<u>EINEC No.</u>	<u>Name According to EEC</u>	<u>%</u>	<u>R-Phrases</u>
65997-15-1	266-043-4	portland cement	25-50	
93763-70-3	618-970-4	expanded perlite	2.5-10	
9004-34-6	232-674-9	cellulose	2.5-10	
6834-92-0	229-912-9	disodium metasilicate	1.0-2.5	R34-37

<u>CAS-No.</u>	<u>REACH Reg No.</u>	<u>CLP Symbols</u>	<u>CLP Hazard Statements</u>	<u>M-Factors</u>
65997-15-1		GHS05-GHS07	H315-317-318	
93763-70-3				
9004-34-6				
6834-92-0		GHS05-GHS07	H314-318-335	

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

### 4. First-aid Measures

#### 4.1 Description of First Aid Measures

**AFTER INHALATION:** Move to fresh air.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off with soap and plenty of water.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person.

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

Toxic if swallowed. Irritating to eyes, respiratory system and skin.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

### 5. Fire-fighting Measures

#### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

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

No Information

#### 5.3 Advice for firefighters

No dangerous ingredients according to Regulation (EC) No. 1907/2006. In the event of fire, wear self-contained breathing apparatus. High volume water jet. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. None. This preparation is not classified as dangerous according to Directive 1999/45/EC.

### 6. Accidental Release Measures

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

Avoid dust formation. Use personal protective equipment.

#### 6.2 Environmental precautions

No Information

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

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water.

**6.4 Reference to other sections**

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

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

Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment. Avoid dust formation. Protect from moisture.

Wash hands before breaks and at the end of workday. Do not breathe dust. When using, do not eat, drink or smoke.

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

**CONDITIONS TO AVOID:** No Information

**STORAGE CONDITIONS:** Keep tightly closed in a dry and cool place.

**7.3 Specific end use(s)**

No specific advice for end use available.

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

Name	%	LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3	OEL Note
portland cement		25-50				
expanded perlite		2.5-10				
cellulose		2.5-10				
disodium metasilicate		1.0-2.5				

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation.

**8.2 Exposure controls****Personal Protection**

**RESPIRATORY PROTECTION:** Effective dust mask.

**EYE PROTECTION:** Safety glasses

**HAND PROTECTION:** Protective gloves Long sleeved clothing. Remove and wash contaminated clothing before re-use.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	Grey, Speckled Powder
<b>Physical State</b>	Solid
<b>Odor</b>	Dusty
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Melting point / freezing point (°C)</b>	Not determined

<b>Boiling point/range (°C)</b>	Not determined
<b>Flash Point, (°C)</b>	0
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not determined
<b>Upper/lower flammability or explosive limits</b>	0
<b>Vapour Pressure, mmHg</b>	Not determined
<b>Vapour density</b>	Not determined
<b>Relative density</b>	Not determined
<b>Solubility in / Miscibility with water</b>	Not Determined
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature (°C)</b>	Not determined
<b>Decomposition temperature (°C)</b>	Not determined
<b>Viscosity</b>	Not determined
<b>Explosive properties</b>	Not determined
<b>Oxidising properties</b>	Not determined

## 9.2 Other information

<b>VOC Content g/l:</b>	0
<b>Specific Gravity (g/cm3)</b>	0.124

## 10. Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

No Information

### 10.5 Incompatible materials

Do not store near acids.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity:

Oral LD50:

Inhalation LC50:

<b>Irritation:</b>	No information available.
<b>Corrosivity:</b>	No information available.
<b>Sensitization:</b>	No information available.
<b>Repeated dose toxicity:</b>	No information available.
<b>Carcinogenicity:</b>	No information available.
<b>Mutagenicity:</b>	No information available.
<b>Toxicity for reproduction:</b>	No information available.
<b>STOT-single exposure:</b>	No information available.
<b>STOT-repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	No information available.

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:

**Additional Information:**

No Information

## 12. Ecological Information

<b>12.1 Toxicity:</b>	
EC50 48hr (Daphnia):	No information
IC50 72hr (Algae):	No information
LC50 96hr (fish):	No information
<b>12.2 Persistence and degradability:</b>	No information
<b>12.3 Bioaccumulative potential:</b>	No information
<b>12.4 Mobility in soil:</b>	No information
<b>12.5 Results of PBT and vPvB assessment:</b>	The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.
<b>12.6 Other adverse effects:</b>	No information

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
65997-15-1	portland cement	No information	No information	
93763-70-3	expanded perlite	No information	No information	
9004-34-6	cellulose	No information	No information	
6834-92-0	disodium metasilicate	No information	No information	

### 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**European Waste Code:** 08 02 01

### 14. Transport Information

**14.1 UN number**

**14.2 UN proper shipping name** Not Regulated

Technical name

**14.3 Transport hazard class(es)**

Subsidiary shipping hazard

**14.4 Packing group**

**14.5 Environmental hazards**

**14.6 Special precautions for user** Not applicable

EmS-No.:

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code** Not applicable

### 15. Regulatory Information

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

**National Regulations:**

**Denmark Product Registration Number:**

**Danish MAL Code:**

**Sweden Product Registration Number:**

**Norway Product Registration Number:**

**WGK Class:**

**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 CLP Hazard Statements shown in Section 3 describing each ingredient:**

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

**Text for Risk Phrases shown in Section 3 describing each ingredient:**

R34	Causes burns.
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**R37**                      **Irritating to respiratory system.**

### Reasons for revision

This is a new Safety Data Sheet (SDS).

### List of References

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark  
 ESIS (The European Chemical Substances Information System), provided by the European Commission  
 Joint Research Centre in Ispra, Italy  
 Annex VI of the EU Council Directive 67/548/EEC  
 Council Directive 67/548/EEC - Annex I or EU Council Directive 1999/45/EC  
 EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"

### Acronym & Abbreviation Key

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m <sup>3</sup>	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC	International Bulk Container

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general



guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.

