



# HYDROPLUG SEALING SYSTEM

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

Hydroplug

### 1.2 Relevant uses of the substance or mixture and uses advised against

Waterproofing Speciality construction product. Not intended for any other uses

### 1.3 Details of the supplier of the data sheet

Premcrete Ltd

44 Macadam Way

West Portway Industrial Estate

Andover

Hampshire

SP10 3XW

[sales@premcrete.com](mailto:sales@premcrete.com)

[www.premcrete.com](http://www.premcrete.com)

Emergency telephone number +44 (0) 800 6191619 7.00am-5:00pm Mon-Fri

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

Harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.



May cause an allergic skin reaction.

Suspected of causing cancer.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

Label elements:

Hazard Pictograms:

**DANGER**

Hazard Statements

Harmful if inhaled

Causes skin irritation.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction. Suspected of causing cancer.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves/protective clothing/eye protection/face protection.

[In case of inadequate ventilation] wear respiratory protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

NFPA ratings (scale 0 - 4)



Structural Waterproofing | Gas Protection |  
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Protective Coatings | Admixtures

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Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Composition/information on components

Additional information: For the wording of the listed risk phrases refer to section 16.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

Contact with Eyes: Clean eyes immediately.

Contact with Skin: After skin contact with melted polymer rapidly cool the affected skin with cold water

Inhalation: After inhalation of fire gases or decomposition products, the affected person has to breath fresh air and stay calm. In case of difficulty breathing supply oxygen.

Information for Doctor: May cause sensitisation by skin contact Irritating to eyes

### 5. FIRE-FIGHTING MEASURES

Special Hazards arising from the substance: No further relevant information available

Additional indication: Prevent fire extinguishing water into drains, soil or waters

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Action in case of unintentional release

Precautionary human health measures: Safety requirements (see point 8)

Environmental protection measures: No special requirements

Cleaning procedure: Absorb mechanically

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling: Prevent formation of aerosols.

Avoid contact with skin

Avoid contact with eyes

7.2 Conditions for safe storage including and Store in dry, protect against humidity incompatibilities Safety regulations: No special measures required.



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7.3 Safety regulations: Legal safety and protection regulations

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Exposure controls

General protective and hygiene measures: The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

MDI contained in mixed A and B components, has a very low vapor pressure and is not likely to exceed the permissible exposure limit (PEL) in unconfined spaces. Therefore, respiratory protection is not normally required in well ventilated areas except for individuals who are hypersensitive to isocyanates.

It should also be noted that although chemical cartridge respirators may provide protection against isocyanate exposure, they are not approved for such use by NIOSH. This is because MDI has poor warning properties. (The level at which it can be detected by odor is significantly above the PEL.)

In confined areas, indoors or where there is inadequate ventilation, supplied air (NIOSH Type TC-19C-XXX) or self contained.

breathing apparatus (NIOSH Type TC-13-XXX) may be required.

Not required.

Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product. Material of gloves

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Eye protection:

Safety glasses with side shield protection.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.

A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

## 9. COMPOSITION/INFORMATION ON INGREDIENTS

### 9.1 Information on basic and chemical properties

Appearance:



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Form: Liquid

Colour: Colourless

Odour: Characteristic

Change of State: Undetermined

Melting point/range: undetermined

Risk of explosion: No risk or explosion

## 10. STABILITY AND REACTIVITY

10.1 Reactivity Stable under normal conditions

Chemical Stability

Thermal decomposition No decomposition if used according to specification

10.2 Conditions to Avoid: No further information available

10.3 Hazardous decomposition products: Carbon Dioxide and Carbon Monoxide

10.4 Additional information: see section 7

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Primary irritant effect:

on the skin: Causes skin irritation.

on the eye: Causes serious eye irritation.

inhalation:

May cause respiratory irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Ingestion: May cause damage to lungs through prolonged or repeated exposure by way of inhalation.

Sensitization:

Sensitization possible through inhalation.

Sensitization possible through skin contact.

May cause an allergic skin reaction.

Additional toxicological information:

Carcinogenic categories:

## 12. ECOLOGICAL INFORMATION

TOXICITY



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Aquatic Toxicity: No further information available

Persistence and degradability: No further information available

Bioaccumulative potential No further information available

Mobility in soil: No further information available

Not classed as a dangerous product under the following regulations and assessments:

ADR/RID

IMDG

ICAO/ATA

PBT

vPvB

### 13. DISPOSAL CONSIDERATIONS

Waste Treatment methods Comply with local regulations.

Must not be disposed of with household garbage

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations

### 14. TRANSPORT INFORMATION

### 15. REGULATORY INFORMATION



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**Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

9016-87-9	Diphenylmethanediisocyanate, isomers and homologues	30.9%
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**SARA Section 312/Tier I & II Hazard Categories:**

Health Delayed (chronic)	Yes
Health Immediate (acute)	Yes
Flammable	No
Reactive	No
Pressure	No

**North America Chemical Inventory Status**
**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian DSL):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**Right to Know Ingredient Disclosure**

6846-50-0 2,2-dimethyl-1-(methylethyl)-1,3-propanediyl bis(2-methylpropanoate)

Modified MDI

Modified polymeric MDI

**California Proposition 65**
**Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenicity Categories**
**EPA (Environmental Protection Agency)**

9016-87-9	Diphenylmethanediisocyanate, isomers and homologues	CBD
101-68-8	Diphenylmethane-4,4'-di-isocyanate	D. CBD

**TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)**

Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

None of the ingredients is listed.

**NIOSH-Cancer (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**Volatile Organic Compounds (VOC) reported per the Emission Standards.**

If no g/L value is provided this product is not subject to above standard.



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## 16. OTHER INFORMATION

The information contained in this safety data sheet is compiled to the best of our knowledge of the authors and accords with the latest knowledge available at the time of compilation / revision. They give you advice about the safe handling with the product mentioned in this safety datasheet for storage, processing, transport and disposal. They do not guarantee its properties in the framework of statutory guarantees. Only the technical specifications contained in the technical data sheets are binding.



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# PREMCRETE TEKNOCEM HB50

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Identifier

Teknocem HB50

## 2. COMPOSITION INFORMATION ON INGREDIENTS

Mixture of limestone sands and aggregates, pigments and surfactants not classified as hazardous. Mixture of Portland Cements CAS 65997-15-1 and expansive cements, CAS 12004-14-7 EEC Symbol Xi, R Phrases 36/37/38, 41

## 3. HAZARD IDENTIFICATION

**Irritant Risk of serious damage to eyes.**

NOTE Contains soluble chromium (VI) controlled by the addition of a reducing agent to no more than 2ppm by dry weight of cement when mixed with water, for a period of 12 months from the date of manufacture shown on this package under the stipulated storage conditions. Use of this product after the end of this period or under different storage conditions may increase the risk of an allergic reaction. PPE must still be worn.

## 4. FIRST AID MEASURES

**INHALATION:** Remove patient from exposure, keep warm and at rest. If dry powder has been inhaled, the nose and throat should be thoroughly irrigated with water for at least 20 minutes. If distress is felt after inhalation of vapours, summon medical aid. Inhalation of free silica over a prolonged period can give rise to fibrosis of the lungs.

**SKIN CONTACT:** Remove contaminated clothing. After contact with skin, wash immediately with plenty of clean water (S28). Repeated contact over a prolonged period may produce an allergic reaction. Seek medical attention if irritation persists.

**EYE CONTACT:** SPEED IS ESSENTIAL. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice (S26). Remove any large particles with cotton wool bud. Contact lenses should be removed. Eye wash stations should be available in areas where exposure is possible.

**INGESTION:** Do not induce vomiting. Wash mouth out with water and, if conscious, give plenty of water to drink. Seek medical attention.

NOTE If symptoms persist, seek medical advice.



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## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHER MEDIA:** Will not support combustion. Compatible with all standard firefighting techniques.

**EXPOSURE HAZARDS:** Fire or decomposition products may contain oxides of carbon. The powder releases alkalis on contact with water and chemically hardens.

**SPECIAL PROTECTIVE EQUIPMENT** In a sustained fire, self contained breathing apparatus should be worn.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Ensure adequate ventilation. Wear suitable protective clothing, gloves and eyes face protection (S36/37/39). Avoid contact with eyes (S25). Do not breathe dust (S22).

SEE "EXPOSURE CONTROLS/PERSONAL PROTECTION"

**ENVIRONMENTAL PRECAUTIONS:** If material enters drains or sewers, dilute as much as possible with water. In case of contamination of streams, river or lakes, contact the National Rivers Authority.

**CLEANING UP METHODS:** Carefully sweep or vacuum up any mixed mortar and/or dry powder. Soak up polymer with sand or sawdust. Transfer to marked containers to await disposal. Wash away any residue with plenty of clean water.

SEE "DISPOSAL CONSIDERATIONS" and "STABILITY AND REACTIVITY"

## 7. HANDLING AND STORAGE

**HANDLING:** Wear suitable protective clothing, gloves and eye/face protection (S36/37/39). Eye wash stations should be available in areas where accidental exposure IS POSSIBLE. THE NORMAL PRECAUTIONS relating to handling chemicals must be observed. Use to minimize the creation of dust and ensure adequate ventilation to keep the airborne concentrations below the recommended exposure limits.

SEE "EXPOSURE CONTROLS/PERSONAL PROTECTION"

**STORAGE:** Store in dry frost-free conditions, in original containers. Protect from high temperatures (40°C+) for prolonged periods.

## 8. EXPOSURE CONTROL AND PROTECTION MEASURES

**RESPIRATORY:** Normal conditions of ventilation are usually adequate. Wear a fine particle mask or respirator or use local exhaust ventilation as necessary when mixing in confined areas with inadequate ventilation or whenever there



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is any risk of the exposure limits being exceeded. This applies not only to the user, but to all people who cannot be vacated from the work area.

**HAND:** Use heavy duty gloves. Gloves may degrade or be damaged according to different circumstances of use. Always ensure gloves you are using are in good condition. Barrier creams may help to protect exposed areas but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

**EYE:** Eye protection designed to protect against liquid splashes, conforming to EN 1166 Chemical Grade, should be worn when handling dry powder or when there is risk of material entering the eye. Eye protection is essential when handling alkaline material.

**SKIN:** Wear suitable overalls. Remove grossly contaminated clothing and wash skin with plenty of clean water. Practice good personal hygiene.

ALL PERSONAL PROTECTION EQUIPMENT MUST BE SELECTED TO MEET THE REQUIREMENTS OF THE COSHH REGULATIONS.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance fine powder

Odour none

pH when mixed with water

Relative density 1.02

Bulk density 1100 - 1550 kg/m<sup>3</sup>

Boiling point N/A

Flammability N/A

Solubility in water insoluble

Vapour pressure N/A

## 10. STABILITY AND REACTIVITY

STABLE UNDER NORMAL CONDITIONS OF STORAGE (SEE "HANDLING AND STORAGE")

CONDITIONS TO AVOID: Powder releases alkalis on contact with water and chemically hardens.



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**MATERIALS TO AVOID:** Powder reacts vigorously with strong acids and, in the presence of moisture, will attack aluminium, lead and brass. Do not allow polymer to come into contact with metals or alloys that are liable to corrosion.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May contain oxides of carbon.

**HAZARDOUS POLYMERISATION:** None known.

## 11. TOXOLOGICAL INFORMATION

**INHALATION:** Dust nuisance. Prolonged exposure to dust may cause irritation to the respiratory system. Prolonged exposure to product may cause inflammation of mucus membranes. Inhalation of free silica over a prolonged period can give rise to fibrosis of the lungs.

**SKIN:** In contact with water or body fluids, alkalis are released which can cause irritation of the skin. Continuous or repeated exposure over a period of time may cause burns or an allergic reaction. Levels of 1,2 benzisothiazolin-3-one below 500 ppm are not likely to cause skin sensitisation.

**EYE:** Risk of serious damage to eyes.

**INGESTION:** Small amounts are unlikely to cause any significant reaction. Larger doses may result in irritation or blockage of the gastro-intestinal tract. Unlikely to result in poisoning due to the large volume of material which must be ingested. The engineering controls and personal protection equipment advised in this Safety Data Sheet are to ensure the occupational exposure limits are not exceeded. Should this happen to anyone within the affected area, there could be delayed adverse health effects.

## 12. ECOLOGICAL INFORMATION

Product should not be disposed of into rivers or other water courses without pre-treatment. Measures should be taken to prevent the release of dust to the ENVIRONMENT. APPROPRIATE ADDITIONS OF LOW concentrations to biological water treatment plants are not expected to cause any disturbances. Attention must be paid to local water treatment regulations.

**AQUATIC TOXICITY RATING:** LC50 aquatic toxicity rating not determined. The addition of cementitious materials to water will, however, cause the pH to rise and therefore be toxic to aquatic life in some circumstances.

## 13. DISPOSAL CONSIDERATIONS

The product is not classified as hazardous waste and is suitable for controlled waste site disposal. Do not allow into water courses or dispose of where ground or surface waters may be affected. Large quantities of polymer must be coagulated before disposal.

DISPOSE OF IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS

Further information on disposal methods and contractors is available from the National Association of Waste Disposal Contractors.

Tel: 020 7824 8882



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Fax: 020 7824 8753



#### 14. TRANSPORT INFORMATION

CONVEYANCE CLASSIFICATION: Not classified.

#### 15. REGULATORY INFORMATION

EC HAZARD CLASSIFICATION: Xi Irritant.

RISK PHRASES: (Part B) R36/37/38 : Irritating to eyes, respiratory system and skin. R41 - Risk of serious damage to eyes.

SAFETY PHRASES: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of soap and water. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

NOTE: Contains soluble chromium (VI) controlled by the addition of a reducing agent to no more than 2ppm by dry weight of cement when mixed with water, for a period of 12 months from the date of manufacture shown on this package under the stipulated storage conditions. Use of this product after the end of this period or under different storage conditions may increase the risk of an allergic reaction. PPE must still be worn.

OCCUPATIONAL EXPOSURE LIMITS AND STANDARDS ARE ADVISED IN PUBLICATION EH40 FROM THE HSE FOR THE PURPOSE OF REGULATION 7(1) OF THE COSHH REGULATIONS.



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# STOPAQ MORTAR WR

**Product identifier** Stopaq Mortar WR

**Trade name:** Stopaq Mortar WR

**Article number:** 1109, 1112, 1114

**Relevant identified uses of the substance or mixture and uses advised against** Not applicable

**Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

## 2 Hazards identification

**Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

Xi; Sensitising

R43: May cause sensitisation by skin contact.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.



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**. Classification:**

The classification is according to the latest editions of the EU lists, and extended by company and literature data.

**. Label elements**

**. Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**. Hazard pictograms**

GHS07

**. Signal word** Warning

(Contd. on page 2)

EU

Page 2/6

**Safety data sheet**

according to EU No. 453/2010

Printing date 26.10.2012 Version number 7 Revision: 26.10.2012

**Trade name:** Stopaq Mortar WR

(Contd. of page 1)

35.0

**. Hazard-determining components of labelling:**

Cement, portland, chemicals

Quartz (SiO<sub>2</sub>)

**. Hazard statements**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Contains Cement, portland, chemicals. May produce an allergic reaction.

**. Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.



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P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face 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.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### . Other hazards

#### . Results of PBT and vPvB assessment

. PBT: Not applicable.

. vPvB: Not applicable.

### 3 Composition/information on ingredients

#### . Chemical characterization: Mixtures

. Description: Mixture of substances listed below with nonhazardous additions.

. Dangerous components: Void

. Additional information: For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

#### . Description of first aid measures

##### . After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

. After skin contact: Immediately wash with water and soap and rinse thoroughly.

##### . After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

. After swallowing: If symptoms persist consult doctor.

##### . Information for doctor:

. Most important symptoms and effects, both acute and delayed No further relevant information available.

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

No further relevant information available.



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Protective Coatings | Admixtures

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## 5 Firefighting measures

### . Extinguishing media

### . Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

Formation of toxic gases is possible during heating or in case of fire.

(Contd. on page 3)

EU

Page 3/6

## Safety data sheet

according to EU No. 453/2010

Printing date 26.10.2012 Version number 7 Revision: 26.10.2012

**Trade name: Stopaq Mortar WR**

(Contd. of page 2)

35.0

### . Advice for firefighters

. **Protective equipment:** No special measures required.

## 6 Accidental release measures

. **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

. **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

. **Methods and material for containment and cleaning up:** Pick up mechanically.

### . Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### . Handling:

. **Precautions for safe handling** Prevent formation of dust.

. **Information about fire - and explosion protection:** No special measures required.

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



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# PREMCRETE

- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- . **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- . **Additional information about design of technical facilities:** No further data; see item 7.
- . **Control parameters**
- . **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- . **Additional information:** The lists valid during the making were used as basis.

## . Exposure controls

### . Personal protective equipment:

#### . General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

#### . Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use selfcontained respiratory protective device.

#### . Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### . Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and



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varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 4)

EU

Page 4/6

## Safety data sheet

according to EU No. 453/2010

Printing date 26.10.2012 Version number 7 Revision: 26.10.2012

**Trade name: Stopaq Mortar WR**

(Contd. of page 3)

35.0

### . Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

### . Eye protection:

Tightly sealed goggles

## 9 Physical and chemical properties

### . Information on basic physical and chemical properties

#### . General Information

#### . Appearance:

**Form:** Solid

**Colour:** According to product specification

. **Odour:** Characteristic

. **Odour threshold:** Not determined.

. **pH-value:** Not applicable.

#### . Change in condition

**Melting point/Melting range:** Not applicable°C

**Boiling point/Boiling range:** 2230°C

#### . Solidification point:

**Pouring point** n/a°C



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. Flash point: Not applicable to  


. Flammability (solid, gaseous): Not determined.

. Ignition temperature:

**Decomposition temperature:** Not determined.

. **Self-igniting:** Product is not selfigniting.

. **Danger of explosion:** Product does not present an explosion hazard.

. **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

. **Vapour pressure:** Not applicable.

. **Density at 20°C:** 1,6 g/cm<sup>3</sup>

. **Relative density** 1.6

. **Vapour density** Not applicable.

. **Evaporation rate** Not applicable.

. **Solubility in / Miscibility with**

**water:** Insoluble.

. **Segregation coefficient (n-octanol/water):** Not determined.

. **Viscosity:**

**Dynamic:** Not applicable.

**Kinematic:** Not applicable.

. **Solvent content:**

**Organic solvents:** 0,0 %

**VOC (EC)** 0,00 %

**Solids content:** 100,0 %

(Contd. on page 5)

EU

Page 5/6

**Safety data sheet**

**according to EU No. 453/2010**

Printing date 26.10.2012 Version number 7 Revision: 26.10.2012



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Trade name: **Premcrete** Mortar WPB

(Contd. of page 4)



35.0

. **Other information** No further relevant information available.

## 10 Stability and reactivity

. **Reactivity**

. **Chemical stability**

. **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

. **Possibility of hazardous reactions** No dangerous reactions known.

. **Conditions to avoid** No further relevant information available.

. **Incompatible materials:** No further relevant information available.

. **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

. **Information on toxicological effects**

. **Acute toxicity:**

. **LD/LC50 values relevant for classification:**

Oral LD50 1300 mg/kg (-) (Quartz)

Dermal LD50 Not determined mg/kg (-) (Quartz and Portland Cement)

LC50 Not determined (-) (Quartz and Portland cement)

. **Primary irritant effect:**

. **on the skin:** Irritant to skin and mucous membranes.

. **on the eye:** Irritating effect.

. **Sensitization:** Sensitization possible through skin contact.

. **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification

Guidelines for Preparations as issued in the latest version:

Irritant

## 12 Ecological information

. **Toxicity**

. **Aquatic toxicity:** No further relevant information available.



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. **Persistence and degradability** No further relevant information available.

. **Behaviour in environmental systems.**

. **Bioaccumulative potential** No further relevant information available.

. **Mobility in soil** No further relevant information available.

. **Additional ecological information:**

. **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

. **Results of PBT and vPvB assessment**

. **PBT:** Not applicable.

. **vPvB:** Not applicable.

. **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

. **Waste treatment methods**

. **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

EU

Page 6/6

### Safety data sheet

according to EU No. 453/2010

Printing date 26.10.2012 Version number 7 Revision: 26.10.2012

**Trade name: Stopaq Mortar WR**

(Contd. of page 5)

35.0

. **Uncleaned packaging:**

. **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

. **UN-Number**

. **ADR, ADN, IMDG, IATA** Void



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. UN proper shipping name: **PREMCRETE**

. ADR, ADN, IMDG, IATA Void

. Transport hazard class(es)

. ADR, ADN, IMDG, IATA

. Class Void

. Packing group

. ADR, IMDG, IATA Void

. Environmental hazards:

. Marine pollutant: No

. Special precautions for user Not applicable.

. Transport in bulk according to Annex II of

**MARPOL73/78 and the IBC Code** Not applicable.

. UN "Model Regulation": -

## 15 Regulatory information

. **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. **Department issuing MSDS:** Product safety department

. **Contact:** Stopaq b.v.

. **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International

Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of

Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals



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VOC: Volatile Organic Compounds (USA - EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

. \* Data compared to the previous version altered.



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# HYDROCRYL 2000 CATALYST

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier Hydrocryn 2000 Catalyst

## 2. HAZARDS IDENTIFICATION

Irritating to eyes and skin.

## 3. COMPOSITION INFORMATION ON INGREDIENTS

hazardous CAS- conc. hazard Risk

ingredient number (% w/w) classification phrases

cyclo aliphatic nitrogen ether trade secret 10 – 20 % Xi R36/38 the full text of the R-phrases can be found in section 16.

## 4. FIRST AID MEASURES

4.1 General advice : In case of doubt or with persisting symptoms obtain medical attention. Never pass anything through the mouth of an unconscious person.

4.2 Skin contact : Remove soiled clothing. Wash skin with soap and water. Do not use solvents or thinners. Seek medical advice if irritation develops.

4.3 Eye contact : Rinse immediately with eye wash or clean water for at least 15 min. Contact lenses should be removed. Seek medical attention.

4.4 Ingestion : Immediately rinse mouth out. Give plenty of water to drink to victim. Do not induce vomiting. Seek immediate medical advice.

4.5 Inhalation : move victim into fresh air. Seek medical advice.

## 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media: Carbon dioxide, dry powder, foam, water mist.

5.2 Exposure hazards : At combustion smoke, carbon monoxide, carbon dioxide, nitrogen oxides and ammonia will be produced.

5.3 Special protective equipment : Fire fighters should wear full protective clothing and self contained Breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES



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6.1 Personal protection, protective equipment and emergency procedures ensure adequate ventilation if working in confined spaces. Avoid contact with eyes and wear protective clothing (see section 8).

6.2 Environmental precautions Prevent material from entering sewage system, water courses or water treatment installations.

6.3 Methods and material for containment and cleaning up Spread sand or industrial absorbent over spillage and transfer into labelled containers for disposal. See section 13 for disposal considerations.

## 7. HANDLING AND STORAGE

7.1 Precautions for safe handling Never spray the product; do not drink, eat or smoke during handling.

7.2 Conditions for safe storage including and incompatibilities Keep containers dry and closed. Store in original containers. Storage temperature 5 - 50°C.

## 8. EXPOSURE CONTROL AND PROTECTION MEASURES

8.1 Respiratory protection: Normal conditions of ventilation are usually adequate. Wear a fine particle mask with filter A-P2 or respirator, or use local exhaust ventilation as necessary when mixing in confined areas with inadequate ventilation.

8.2 Hand protection: Use protective gloves. Suitable types are pvc or neoprene. If in doubt seek advice from a reputable manufacturer..

8.3 Eye Protection: Eye protection designed to protect against liquid splashes should be worn e.g. complete enclosure of the eye.

8.4 Skin Protection: Cotton or cotton/synthetic overalls or coveralls are normally suitable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance Pink-red liquid

9.2 Odour Amine

9.3 Boiling Point >180°C

9.4 Flash Point 70°C

9.5 Vapour Pressure < 1 mbar at 20°C

9.6 Relative Density Approximately 0.95kg/dm<sup>3</sup>

9.7 Solubility in Water Limited soluble

## 10. STABILITY AND REACTIVITY

10.1 Stability : Stable under normal ambient conditions.

10.2 Conditions to avoid : Keep away from ignition sources.

10.3 Materials to avoid : acids and oxidizing agents

10.4 Haz. decomp. Products: None in ambient conditions

## 11. TOXOLOGICAL INFORMATION

Acute toxicity : LD 50 oral : > 2000 mg/kg (rat)

Chronic toxicity : Not determined



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Effects of exposure and symptoms : The product may be an irritant for sensitive skin.

Eye : Risk of serious damage

Ingestion : May cause discomfort and would require immediate dilution with plenty of water. If taken into mouth and not swallowed, swill out with water.

## 12. ECOLOGICAL INFORMATION

The product is limited soluble in water. In high amounts the product can be dangerous for surface waters. The product is not expected to be bio-accumulative.

## 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or where ground water or surface waters may be affected. Ensure any containers containing waste material are correctly labelled. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with local, state or EC regulations at an authorised site. European Waste Code : 08 04 09\*

## 14. TRANSPORT INFORMATION

The product is not classified as dangerous goods according transport regulations.

## 15. REGULATORY INFORMATION

Symbol Xi irritating

Risk phrases R36/38 irritating to eyes and skin

Safety phrases S37/39 wear suitable gloves and eye/face protection



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