

	<b>POLYCAPTOR®</b>	Approved by : <i>L. Sim</i>	<b>Safety Data Sheet</b>
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Established on : March 31th 2014	Reference : GAS_QAL_FDS_Polycaptor_en	Updated: -	Update: 0

In accordance with European Regulation 1272/2008 (CLP), European Directive 1999/45 (DPD) and European Directive 67/548 (CLP)

SDS read in accordance with European Regulation 453/2010 (REACH)

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

### 1.1. Product identifier:

**Polycaptor®**

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

**Absorbent for accidental chemical spills**

### 1.3. Details of the supplier of the safety data sheet:

**PREVOR**

Moulin de Verville

BP1

F-95760 VALMONDOIS - FRANCE

Telephone: +33(0)1 30 34 76 76

Fax : +33(0)1 30 34 76 70

fds@prevor.com

### 1.4. Emergency telephone number:

+33(0)1 30 34 76 76 (business hours, GMT+1)

## SECTION 2. HAZARDS IDENTIFICATION

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

Non-hazardous mixture in accordance with Directive 1999/45/EC

Non-hazardous mixture in accordance with Directive 67/548/EC

Non-hazardous mixture in accordance with Regulation 1272/2008/EC

### 2.2. Label elements:

No labelling

### 2.3. Other hazards:

No known risk.

This product is a non-hazardous absorbent of chemical substances.

During utilization, wear safety equipment appropriate for chemical being absorbed.

Allow for ventilation.

On concentrated fuming chemicals, dilute with water after absorption to prevent excessive gassing.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Section 3.1 is not completed because it applies only to substances

### 3.2. Mixture:

No hazardous ingredients

Name	CAS N°	wt. %
Inorganic compound	Proprietary	60-90 %
Natural absorbent polymer	Proprietary	10-30 %

### Impurities:

No hazardous impurities

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures:

#### 4.1.1. Inhalation:

If necessary, blow nose in order to remove any particles from the respiratory tract; do not wet the powder (significant swelling).

#### 4.1.2. Eye contact:

Primary washing with Diphoterine® solution, NaCl by PREVOR® solution or otherwise, wash with copious amounts of water, eyes and under eyelids.

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#### 4.1.3. Skin contact:

No known danger.

#### 4.1.4. Ingestion:

Not the principal exposure route. Mixture of non-toxic components by oral exposure. In case of adverse effects, consult a doctor.

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

No known unwanted effects.

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

In case of formation of a dust cloud, wear a dust mask (see section 8).

#### When using Polycaptor® absorbent on a chemical spill:

Wear safety equipment appropriate for the chemical being absorbed. In cases of ocular or cutaneous exposures, wash with Diphoterine® solution, NaCl by PREVOR® solution or otherwise, wash with copious amounts of water.

### SECTION 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media:

Water spray, carbon dioxide, dry powder, foam.

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

Thermal decomposition above 200°C in toxic products: carbon monoxide and dioxide, nitrogen and carbon oxides, organic vapours.

#### 5.3. Advice for firefighters:

In case of fire, wear self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Avoid contact with eyes.

Avoid formation of dusts.

Avoid dust inhalation.

#### 6.2. Environmental precautions:

Avoid disposing of product in the environment (sewers, rivers, soil).

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

If dust cloud forms, ventilate premises. Recover the entire product by means of diverse brooms, scrapers and shovels.

#### 6.4. Reference to other sections:

See sections 8 and 13

### SECTION 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling:

Respect hygiene measures (no eating or drinking) when manipulating product.

Wash hands after use.

Avoid disposing of product in the environment, even though the product has been proven to be non-toxic for the environment (see section 12).

Avoid the formation of dust clouds in order to avoid inhalation. Thus, sprinkle Polycaptor® absorbent as near as possible to the spill.

Very slightly sensitive to electrostatic sparks (Minimal Inflammation Energy : MIE > 1000 mJ)

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

Keep well closed in the original packaging.

Store shielded from humidity, heat and sources of ignition.

#### 7.3. Specific end use(s):

When using Polycaptor® absorbent on a chemical spill:

Use aerated or ventilated environment if necessary.

On concentrated fuming chemicals (acids, oxidisers), dilute with water after absorption to prevent excessive gassing.





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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters:

#### Mixture:

Name	CAS N°	ELV (Exposure Limit Value)
Inorganic compound	Proprietary	None
Natural absorbent polymer	Proprietary	None

### 8.2. Exposure controls:

Total dust: MVE (Maximal Value of Exposure) = 10 mg.m<sup>-3</sup>

#### 8.2.1. Appropriate engineering controls:

Plan adequate ventilation for places where dust is formed.

#### 8.2.2. individual protective measures, such as personal protective equipment:

##### Respiratory protection:

No protection necessary. Aeration of premises or mask adapted in case of extended use in stuffy atmosphere or if dust clouds are formed.

##### Hand protection:

Protective gloves during prolonged or frequent handling.

##### Eye/face protection:

Safety goggles if dust clouds are formed.

##### Skin and body protection:

None

##### Specific hygiene measures:

Avoid contact with eyes.

##### Spill response protection when using Polycaptor® absorbent:

Wear safety equipment appropriate for the type of chemical which has been spilled. Wear chemical protective boots in case of large chemical spills.

#### 8.2.3. Environmental exposure controls:

Non applicable

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

#### a) Appearance (at 20°C):

solid (fine granules), white

#### b) Odor:

No characteristic odor

#### c) Odor detection threshold :

Non applicable

#### d) pH :

pH = 7.4 (at 100 g.L<sup>-1</sup> and at 20°C)

#### e) Melting point / freezing point:

Non applicable because this solid mixture cannot get in a liquid state.

#### f) Initial boiling point and boiling range:

Non applicable because Polycaptor® absorbent does not evaporate.

#### g) Flash point:

Non applicable because Polycaptor® absorbent is not a liquid.

#### h) Evaporation rate:

Non applicable because Polycaptor® absorbent is not a liquid.

#### i) Flammability (solid, gas):

Minimal Inflammation Energy (M.I.E.) &gt; 1000 mJ

#### j) Upper / lower flammability or explosive limits:

Non applicable because Polycaptor® absorbent does not evaporate.

#### k) Vapour pressure:

Non applicable because Polycaptor® absorbent does not evaporate.



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0**l) Vapour density:**

Non applicable because Polycaptor® absorbent does not evaporate.

**m) Relative density:**0.2 g.cm<sup>-3</sup>**n) Solubility (ies):**

Absorbs water

**o) Partition coefficient n-octanol/water:**

Non applicable because Polycaptor® absorbent does not dissolve in water or in n-octanol.

**p) Auto-ignition temperature:**

580°C (dust cloud minimum ignition temperature )

**q) Decomposition temperature:**

Thermal decomposition above 200°C.

**r) Viscosity:**

Non applicable because Polycaptor® absorbent is not a liquid.

**s) Explosive properties :**

Very slightly sensitive to electrostatic sparks (Minimal Inflammation Energy : M.I.E &gt; 1000 mJ)

**t) Oxidising properties:**

None

**9.2. Others information:**Granulometry : d(0,5) = 106 µm (average on three tests)  
Upper limit 355 µm

## SECTION 10. STABILITY AND REACTIVITY

**10.1. Reactivity:**

The product swells in presence of liquids.

**10.2. Chemical stability:**

Stable in the conditions recommended for storage.

**10.3. Possibility of hazardous reactions:**

Possible heat release with waste absorbing nitric acid 98% when exposed to temperatures above 50 ° C. It is recommended keep waste away from any heat source

**10.4. Conditions to avoid:**

Store away from humidity, heat and ignition sources. (see section 7 point 2).

**10.5. Incompatible materials:**

98% nitric acid, pure nitrosulphuric acid

**10.6. Hazardous decomposition products:**

Thermal decomposition above 200°C with liberation of carbon monoxide and dioxide, nitrogen and carbon oxides, organic vapours.

## SECTION 11. TOXICOLOGICAL INFORMATION

**11.1. Informations on toxicological effects:****a) Acute toxicity (oral):**

Name	CAS N°	Toxicity
Inorganic compound	Proprietary	> 5000 mg.kg <sup>-1</sup>
Natural absorbent polymer	Proprietary	> 5000 mg.kg <sup>-1</sup>

**b) Irritation:****Skin irritation:**

Mixture of non-irritants products.

**Eye irritation:**

Mixture of non-irritants products.

**c) Corrosivity:****Skin corrosivity:**

Mixture of non-corrosives products.





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0Serious eye damage:

Mixture of non-corrosives products.

d) Sensitisation:

Non determined

e) Repeated dose toxicity:

Non determined

f) Carcinogenicity:

Non determined

g) Mutagenicity:

Non determined

h) Reproductive toxicity:

Non determined

## SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:12.1.1. Ecotoxicology:

Polycaptor® absorbent is a mixture of non-ecotoxic products.

12.1.2. Microtoxicity:

Non determined

12.1.3. Aquatic toxicity:

Non determined

12.2. Persistence and degradability:

Non determined

12.3. Bioaccumulative potential:

Non determined

12.4. Mobility in soil:

Non determined

12.5. Results of PBT and vPvB assessment:

Non applicable

12.6. Other adverse effects:

Non applicable

## SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Burn according to current country regulations.

## SECTION 14. TRANSPORT INFORMATION

14.1. UN number:

Non applicable (see section 2)

14.2. UN proper shipping name:

Non applicable

14.3. Transport hazard class(es):RID (Regulations concerning International carriage of Dangerous goods by rail):

Non applicable

ADN (International transport of goods by ways of inner navigation):

Non applicable

ADR (Accord for dangerous goods by road):

Non applicable

IMDG (International Maritime Dangerous Goods):

Non applicable

IATA (ICAO : International Civil Aviation Organization):

Non applicable

14.4. Packing group:

Non applicable

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**14.5. Environmental hazards:**

Polycaptor® absorbent presents no danger for the environment and is not a marine pollutant.

**14.6. Special precautions for user:**

None

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable because products are delivered conditioned.

**SECTION 15. REGULATORY INFORMATION**

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

Classified as non-hazardous in accordance with the European Regulations concerning labelling of hazardous mixtures: regulations 1272/2008/EC and 1999/45/EC and Directive 67/548  
Regulation reference: REACH Regulation 453/2010/EC.  
Regulation 453/2010/EC modifying regulation (EC) n° 1907/2006 of European Parliament and Council concerning recording, evaluation and authorization of chemical substances, as well as limitations applicable to these substances (REACH).

**15.2. Chemical Safety Assessment:**

Non applicable

**SECTION 16. OTHER INFORMATION**

**Recommended use:**

Absorbent for accidental chemical spills.

**Recommendation before use:**

- 1- Store Polycaptor® absorbent near to potential risk.
  - 2- Read operating instructions.
  - 3- Use Polycaptor® absorbent as quickly as possible.
- Think of ventilating the area if necessary.

**Instructions for use:**

- 1- First sprinkle Polycaptor® absorbent around and then over the spill.
- 2- Allow product to work by absorption-
- 3- Collect the solidified residue by means of various brooms, scrapers and shovels.

To treat spills of concentrated fuming acids or bases, it is preferable to use Trivorex® absorbent or specific acids absorbent or bases absorbent like Acicaptal® absorbent or Basicaptal® absorbent.

**Abbreviations:**

CLP: Classification, Labelling and Packaging of substance and mixtures  
 DPD: Dangerous Preparation Directive  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
 EC: European Commission  
 SDS: Safety Data Sheet  
 GMT: Greenwich Mean Time  
 CAS n°: Chemical Abstract Service (registry) number  
 wt. %: weight percent. It is the ratio of the mass of one element to the total mass of a compound.  
 MIE: Minimal Inflammation Energy  
 d(0.5): volumetric distribution of fifty percent of the powder. Size below (and above) which fifty percent of the grains are.  
 ELV: Exposure Limit Value  
 MVE: Maximal Value of Exposure  
 ppm : parts per million  
 RID: Regulations concerning the International carriage of Dangerous goods by rail.  
 ADN: International transport of goods by ways of inner navigation.  
 ADR: Accord for dangerous goods by road.  
 IMDG: International Maritime Dangerous Goods.  
 IATA (ICAO): International Civil Aviation Organization.

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This sheet complements the technical sheets but does not replace them. The information that is contained herein is based on the state of our knowledge related to the product concerned at the date of issue and is given in good faith. Moreover, user's attention is drawn to the possible risks incurred by using the product for any other use than that for which it was intended.