

PLASTER OF PARIS - TOUPRET

SECTION 1 - IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY *

1-1 Product identifier : **PLASTER OF PARIS**
1-2 relevant identified uses of the mixture : Filler
1-3 Details of the supplier of the safety data sheet :
Supplier : **TOUPRET SA**
Address : **24 rue du 14 juillet**
91813 Corbeil-Essonnes Cedex (France)
Telephone number : **+ 33 1 69 47 20 20**
Fax : **+ 33 1 60 75 87 11**
Email : fdstoupret@toupret.fr
1-4 Emergency telephone number : **112 or INRS / ORFILA + 33(0)1 45 42 59 59**

SECTION 2 – HAZARDS IDENTIFICATION *

2-1 Classification of the mixture : This product is not classified as a dangerous preparation according to Directive 1999/45/CEE and Regulation 1272/2008.
2-2 Label elements : This product is not classified as a dangerous preparation according to Directive 1999/45/CEE and Regulation 1272/2008.
23- Other hazards : The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH. May cause eyes, skin, throats, lungs irritation for sensitive persons. Do not attempt to make an enclosed cast of any body parts such as hands or fingers. This product gives off heat when mixed with water for setting, wich may result in serious skin burns if used for casting body parts. During the preparation or when sanding, the methods used may generate dust. Prolonged inhalation and mass of the dust have little effect on health.

SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS *

3-2 Mixtures : Product made of plaster of paris = calcium sulphate hemihydrate CaSO₄, ½ H₂O.
This product contains traces of quartz from mineral fillers.

substances	concentration	CAS number	classification	VLEP (8 h)
silica (quartz respirable dust).	< 1 %	14808-60-7	-	0.1 mg/m ³

SECTION 4 - FIRST AID MEASURES *

4-1 Description of first aid mesures : No particular measures required.
4-1-1 After inhalation : Take the patient out into open air and make him expectorate.
4-1-2 After contact with the skin : Remove contaminated clothing. Wash with water in order to eliminate the product.
4-1-3 After contact with the eyes : Rinse immediately and abundantly with water keeping the eyelids opened for at least 10 minutes.
4-1-4 After ingestion : NEVER give anything to someone unconscious. Rinse mouth, drink water and consult a doctor. Do not make throw up.
4-2 Most important symptoms and effects, both acute and delayed :
4-2-1 After inhalation : Aggression by dust.
4-2-2 After contact with the skin : The product is not irritating for the skin.
4-2-3 After contact with the eyes : Irritation as the mechanical action of the solid particles.
4-2-4 After ingestion : No data available.
4-3 Indication of any immediate medical attention and special treatment needed : In case of doubt, irritation persists or if symptoms persist seek medical advice or an ophthalmologist.

SECTION 5 - FIREFIGHTING MEASURES *

5-1 Extinguishing media : In case of fire the product doesn't spontaneously ignite.
- Suitable extinguishing media : water spray, foam, powders, CO₂.
- Unsuitable extinguishing media : direct water jet

- 5-2 Special hazards arising from the mixture : In case of massive storage of the product, avoid slippery floor by using water because this could make the rescue impossible. Do not allow fire-fighting effluent to penetrate into sewers or water courses.
The product decomposed into sulphur trioxide and quicklime at temperature above 1200°C.
- 5-3 Advice for firefighters : Protection equipment, including respiratory protection.

SECTION 6 – ACCIDENTAL RELEASE MEASURES *

- 6-1 Personal precautions, protective equipment and emergency procedures :
- 6-1-1 For non-emergency personnel : Avoid dust formation. In case of dust formation, wear a respirator P2 type.
- 6-1-2 For emergency responders : Avoid dust formation. In case of dust formation, wear a respirator P2 type.
- 6-2 Environmental precautions : No particular measures required. Prevent any penetration into sewers or water courses.
- 6-3 methods and materials for containment and cleaning up :
- 6-3-1 Appropriate advice to contain a spill : Not necessary.
- 6-3-2 Appropriate advice to clean-up a spill : Collect the maximum of the product by aspiration. up avoiding dust formation. Collect in closed containers for disposal.
- 6-3-3 Any other information : Avoid cleaning the floor with water, it could make it slippery.
- 6-4 Reference to other sections : For residues disposal, refer to section 13.

SECTION 7 - HANDLING AND STORAGE *

- General information : No particular measures required.
- 7-1 Precautions for safe handling :
- 7-1-1 Recommendations shall be specified to
- allow safe handling : Prevent the spread of dust. In case of insufficient ventilation, wear suitable respiratory mask, P2 type. Close opened containers carefully.
 - prevent fire and explosions : No datum is available.
 - Reduce the release to the environment : Prevent any penetration into sewers or water courses.
- 7-1-2 Advice on general occupational hygiene : Not eat, drink and smoke in work areas. Wash hands after use.
Remove contaminated clothing before entering eating areas.
- 7-2 Conditions for safe storage, including any incompatibilities : No particular measures required.
To maintain the quality and properties of the product, keep : the container firmly closed, keep in a dry and ventilated place. Not store the product in the presence of water.
- 7-3 Specific end use : No relevant.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION *

- 8-1 Control parameters :
- 8-1-1 Occupational exposure limit values :

substances	CAS number	VLEP (8 h)
deemed ineffective specific dust (total - alveolar)	-	10 – 5 mg/m ³
silica (quartz respirable dust).	14808-60-7	0.1 mg/m ³
gypsum	7778-18-9	10 mg/m ³

- 8-2 Exposure controls :
- 8-2-1 Appropriate engineering controls : Minimize the generation of dust in the air. Working in a room equipped with a suction system, ventilated or aerated.
- 8-2-2 Individual protection measures, such as personal protective equipment :
- General hygiene measures : Not eat, drink and smoke in work areas.
- Eye / face protection : In case of risk of dust, wear safety goggles.
- Hand protection : Wear suitable protective gloves if prolonged or repeated contact with skin.
- Skin protection : Wear work. Wash contaminated clothing before reuse.
- Respiratory protection : A FFP1 protective mask is recommended during preparation and sanding.
- 8-2-3 Environmental exposure controls : No datum is available.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES *

- 9-1 Information on basic physical and chemical properties :
- a) Appearance : powder white
 - b) Odour : none odour
 - c) Odour threshold : not determined
 - d) pH : approximately 7 when prepared as a paste 75 % water at 20°C
 - e) Melting point / freezing point : 1450 °C
 - f) Initial boiling point and boiling range : not determined

This product does not meet the criteria for classification in accordance with Article 31 of the REACH Regulation 1907/2006, and it is not legally required to Safety Data Sheet according to Regulation 453/2010

g)	Flash point :	not determined
h)	Evaporation rate :	not determined
i)	Flammability :	not determined
j)	Upper / lower flammability or explosive limits :	not determined
k)	Vapour pressure :	not determined
l)	Vapour density :	not determined
m)	Relative density :	approximately 1
n)	Solubility :	2 g/l in water
o)	Partition coefficient : n-octanol/water :	not determined
p)	Auto-ignition temperature :	not determined
q)	Decomposition temperature :	not determined
r)	Viscosity :	not determined
s)	Explosive properties :	not determined
t)	Oxidising properties :	not determined

9-2 Other information :

Quantity of VOC : approximately 0 %

SECTION 10 - STABILITY AND REACTIVITY *

10-1 Reactivity : No reactive.

10-2 Chemical stability : Stable at ambient temperature and in normal use conditions.
Hardens in contact with water.

10-3 Possibility of hazardous reactions : mixing with an aqueous solution of sodium carbonate result in the formation of carbon dioxide.

10-4 Conditions to avoid : Keep away from water and moisture. Avoid formation of dust, which can form an explosive mixture with air.

10-5 Incompatible materials : None known.

10-6 Hazardous decomposition products : None dangerous decomposition products in normal conditions of storage. The decomposition takes place from 1450°C.

SECTION 11 - TOXICOLOGICAL INFORMATION *

No datum on the preparation itself is available.

11-1 Information on toxicological effects :

11-1-1 Mixture :

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| a) Acute toxicity : | Based on available data, the classification criteria are not met. |
| b) Skin corrosion / irritation : | May cause eyes, skin, throat, lings irritation for sensitive persons. |
| c) Serious eye damage / irritation : | Repeated or prolonged exposure to dust may cause irritation of the eyes. |
| d) Respiratory or skin sensitisation : | May cause eyes, skin, throat, lings irritation for sensitive persons. |
| e) Germ cell mutagenicity : | Based on available data, the classification criteria are not met. |
| f) Carcinogenicity : | Based on available data, the classification criteria are not met. |
| g) Reproductive toxicity : | Based on available data, the classification criteria are not met. |
| h) STOT-single exposure : | Based on available data, the classification criteria are not met. |
| i) STOT-repeated exposure : | Based on available data, the classification criteria are not met. |
| j) Aspiration hazard : | Based on available data, the classification criteria are not met. |

11-1-2 Available information regarding substances in the mixture :

gypsum (CAS number 7778-18-9)

- | | |
|--|---|
| a) Acute toxicity : | LD > 1581 mg/kg (method OECD 420 on rats) |
| d) Respiratory or skin sensitisation : | LC > 2.61 mg/l (method OECD 403 on rats) |
| e) Germ cell mutagenicity : | no mutagenic (method OECD 471 in vitro + 476 in vitro + 474 on mouse) |
| g) Reproductive toxicity : | NOAEL = 790 mg/kg (method OECD 422 on rats) |

Repeated or prolonged contact with substance may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

11-1-3 Information on likely routes of exposure :

Inhalation and exposure of the skin / eyes are the main routes of exposure. Effects are those solid particles. May cause eyes, skin, throat, lings irritation for sensitive persons.

SECTION 12 - ECOLOGICAL INFORMATION *

No datum on mixture – only datum on gypsum (CAS n° : 7778-18-9) :

12-1 Toxicity : No datum on the substance is available.

12-2 Persistence and degradability : Abiotic degradation, physical and photochemical elimination: the product is rapidly hydrolysed in the presence of water and calcium sulphate ions. These components are improperly disposed of by water. This inorganic material is not water reducible and biological degradation processes.

This product does not meet the criteria for classification in accordance with Article 31 of the REACH Regulation 1907/2006, and it is not legally required to Safety Data Sheet according to Regulation 453/2010

- 12-3 Bioaccumulative potential : no significant indication of bioaccumulation, based on the division coefficient n-octanol/water.
- 12-4 Mobility in soil : Soluble solid. Natural component of soils. If product enters soil, it will migrate and contaminate groundwater.
- 12-5 Results of PBT and vPvB assessment : This substance does not meet the criteria for classification as PBT or vPvB.
- 12-6 Other adverse effects : Calcium sulfate is slightly soluble in water (solubility at around 10 g of CaSO₄ / litre). In presence of organic material and in certain anaerobic conditions, sulfate can conduct to the formation of hydrogen sulphide. Sulfate ion is one of the less toxic anion (guidelines for drinkable water, WHO 1993). Do not discharge in sewers or water courses to avoid accumulation.

SECTION 13 - DISPOSAL CONSIDERATIONS *

13-1 Waste treatment methods :

- Type of waste : non-hazardous waste.
- Waste code : 08-02-01 : waste from powder coatings.
- Product : Waste from residues or unused products to the extent possible, recycling is preferable to disposal. Dispose in a rubbish dump for inert material on conditions that is not mixed with organic waste. Respect the local current regulations. Do not discharge the product in sewers or waterways.
- Contaminated Packaging : Respect the local current regulations.

SECTION 14 - TRANSPORT INFORMATION *

- 14-1 UN number : not applicable
- 14-2 UN proper shipping name : not applicable
- 14-3 Transport hazard class : not classified
- 14-4 Packing group : not classified
- 14-5 Environmental hazards : not classified
- 14-6 Special precautions for user : transported in a vehicle outside of water and completely dry.
- 14-7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : not applicable

SECTION 15 - REGULATORY INFORMATION *

15-1 Safety, health and environmental regulations/legislation specific for the mixture :

- Directive 2004/42/CE : not concerned
- Regulation 861/2010 : 2520 20 00 : gypsum

15-2 Chemical safety assessment :

Not affected by registration under REACH.
No assessment has been carried out for the mixture.

16 - FURTHER INFORMATION *

Recommended uses (for more details, please refer to the technical data sheet) :

Users' conditions of work not being known to us, the information given in the present safety data sheet is based on our present knowledge and on both national and EC regulations.

This sheet completes the technical instructions for use, but does not replace them. The information it contains is based on our present knowledge relating to the product concerned, on the date indicated and are given in good faith. Moreover, users' attention is drawn to possible risks incurred when a product is used for other purposes than those for which it is designed.

It does not, in any case, exempt the user from knowing and applying all texts governing his activity. It is his responsibility, and his alone, to take all necessary precautions linked to the use he makes of the product.

The information given in the present sheet should be considered to be a description of the safety requirements relating to our products and not as a range of the properties of this.

The user is not in any way dispensed from finding out and implementing all the texts governing its activity. The user will be solely responsible for taking all the necessary precautions associated with the use he makes of the product.

The information given in this leaflet must be considered as a description of the safety requirements relating to our product, and not as a range of the product's properties.

Key literature references :

- Directive 1999/45/CE : according to hazardous materials
- Regulatory 1907/2006/CE : according to REACH
- Regulatory 1272/2008/CE : according to CLP
- Directive 2004/42/CE : according to Volatile Organic Compounds
- Directive 200/532/CE according to classification of waste.
- Regulation 861/2010 : according to customs nomenclature

This safety data sheet is made in accordance with regulation 453/2010 - Annex II of regulation 1907/2006 REACH.

(*) Alterations with regard to the previous version.