

SAFETY DATA SHEET “BETON SHIELD”

SECTION 1. Identification of the substance or mixture and of the company / undertaking

1.1. Product identifier

Product name

Beton Shield - Outside Satin

Chemical name and synonyms

One component dispersion of aliphatic resin water

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

Intended use

Protective for concrete surfaces

1.3. Details of the supplier of the safety data sheet

Name _____

HYPROS SA

Full address

Pont-du-Centenaire 144

District and Country

1228 PLAN-LES-OUATES

Tél. 022 338 35 00

Fax. 022 338 35 01

hypros@hypros.com

1.4. Emergency telephone number

For urgent inquiries refer to

145

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments).
Classification and hazard statements:

2.2. Label elements.

Hazard pictograms: --

Warnings: --

Hazard statements:

—

Safety advice:

— —

The product does not require labeling of danger in accordance with Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

2.3. Other hazards.

Based on available data, the product does not contain any PBT or vPvB substances as a percentage greater than 0.1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

3.2. Mixtures.

Non relevant information.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

Not specifically necessary. It is recommended in any case, observance of good industrial practices.

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

No episodes of damage to health ascribable to the product.

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

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA NOT SUITABLE

No one in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN CASE OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

Cool down with water jets the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

EQUIPMENT

normal clothing to fight the fire, such as a compressed air breathing apparatus open circuit (EN 137), complete with flame retardant (EN469), flame-resistant gloves (EN 659) and boots for the fire brigade (HO A29 or A30).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

If fumes or powders are released into the respiratory protection. These directions are valid both for the workers to work which for emergency interventions.

6.2. Environmental precautions.

Prevent product from entering into drains, surface water, ground water.

6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Remove most of the material and eliminate the remainder using jets of water. The disposal of contaminated material must be made in accordance with point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Handle the product after consultation with all other sections of this SDS. Avoid dispersal into the environment. Do not eat, drink or smoke while handling it.

7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labeled containers. Store containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Information not available.

8.2. Exposure controls.

The usual precautionary measures for handling chemicals.

HAND PROTECTION
Unnecessary.

SKIN PROTECTION
Unnecessary.

EYE PROTECTION
Unnecessary.

RESPIRATORY PROTECTION
Not necessary, unless otherwise stated in the chemical risk assessment.

ENVIRONMENTAL CONTROLS DELL'ESPOSIZIONE.

Emissions from production processes, including those from ventilation should be checked for compliance of environmental protection legislation.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	thick liquid
Color	milky
Smell	characteristic
Olfactory threshold	Not available
pH.	Not available
Melting or freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability of solids and gases	Not inflammable
Lower flammable limit	Not available
Upper flammable limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapor pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	soluble in water
Partition coefficient: n-octanol / water:	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidant properties	Not available

9.2. Other information.

Information not available.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

Under normal use and storage conditions are not predictable hazardous reactions.

10.4. Conditions to avoid.

None in particular. However the usual precautions against chemicals.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

No episodes of damage to health due to exposure to the product. In any case it must be handled in accordance with good industrial practices. This product may have sensitive people, cause minor health effects by inhalation and / or cutaneous absorption and / or contact with eyes and / or ingestion.

11.1. Information on toxicological effects.

Information not available.

SECTION 12. Ecological information.

Adopt good working practices, avoiding release of the product in the environment. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.

Information not available.

12.2. Persistence and degradability.

Information not available.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

Based on available data, the product does not contain any PBT or vPvB substances as a percentage greater than 0.1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.**13.1. Waste treatment methods.**

Reuse, when possible. The product residues should be considered special non-hazardous waste. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.**14.1. Numero ONU.**

Not applicable.

14.2. Nome di spedizione dell'ONU.

Not applicable.

14.3. Classi di pericolo connesso al trasporto.

Not applicable.

14.4. Gruppo d'imballaggio.

Not applicable.

14.5. Pericoli per l'ambiente.

Not applicable.

14.6. Precauzioni speciali per gli utilizzatori.

Not applicable.

14.7. Trasporto di rinfuse secondo l'allegato II di MARPOL 73/78 ed il codice IBC.

Non relevant information.

SECTION 15. Regulatory information.

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

Seveso category.

None

Restrictions relating to the product or contained substances pursuant to Annex XVII to Regulation (EC) 1907/2006.
None.

Substances in Candidate List (Art. 59 REACH).
None.

Substances subject to authorization (Annex XIV REACH).
None.

Substances subject to the obligation of export notification Reg. (EC) 649/2012:
None.

Substances subject to the Rotterdam Convention:
None.

Substances subject to the Stockholm Convention:
None.

Sanitary checks.
Information not available.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

LEGEND:

- ADR: European Agreement concerning the Carriage of Dangerous Goods by Road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- EC NUMBER: Number identifier in ESIS (European database of existing substances)
- CLP: Regulation EC 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- IATA DGR: Regulation for the transport of dangerous goods by the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International Maritime Code for Dangerous Goods
- IMO: International Maritime Organization
- INDEX NUMBER: identification number nell'Annesso VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predicted Environmental Concentration
- PEL: Predicted Exposure Level
- PNEC: Predicted No Effect Concentration
- REACH: EU Regulation 1907/2006
- RID: Regulations for the international carriage of dangerous goods by rail
- TLV: TLV
- TLV CEILING: Concentration which must not be exceeded during any time working dell'esposizione.
- TWA STEL: Short Term Exposure Limit
- TWA: Medium exposure limit weighed
- VOC: Volatile Organic Compound
- VPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)

2. Regulation (EU) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 453/2010 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II ATP. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (ATP III. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV ATP. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety

- INRS - Fiche Toxicologique (toxicological sheet)

- Patty - Industrial Hygiene and Toxicology

- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

- Web Site ECHA Agency

Note to l'utente:

The information contained in this sheet are based on our own knowledge on the date of the dell'ultima version. L'utente must verify the suitability and thoroughness of provided information according to each specific use of the product.

It should not be construed as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility the laws and the current regulations on hygiene and safety. Do not assume responsibility for improper use.

Provide adequate training to staff all'utilizzo chemicals.

Changes to previous review.

Changes were made to the following sections:

11.