

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 16.03.2011, Revision 28.01.2011

Page 1 / 6

1 Identification of the substance / preparation and of the company

1.1 Product identifier

HYDREX

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

1.2.1 Relevant uses

Extinguishing water add on

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

ÖKO-TEC Umweltschutzsysteme GmbH
Im Krötengrund 4
63579 Freigericht-Horbach / GERMANY
Phone: +49 (0)6055-9156-0
Fax: +49 (0)6055-9156-20
Homepage: www.oeko-tec.de
E-mail: service@oeko-tec.de

Responsible

service@oeko-tec.de

1.4 Emergency phone

+49 (0)6055-9156-0 (24h)

2 Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

not determined

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

The product does not require a hazard warning label in accordance with EC-directives.

2.2 Label elements

Hazard symbols	none
R-phrases	none
S-phrases	none
Special labelling	none

2.3 Other hazards

Physico-chemical hazards	In the supplied form the product is not explosive at all ; however the build-up of fine dust can lead to a risk of dust explosions.
Human health dangers	No particular hazards known.
Environmental hazards	The product/the substance has the Water Hazard Class 1.
Other hazards	Further hazards were not determined with the current level of knowledge.

3 Composition / Information on ingredients

3.1 Substances

The product in question is a mixture.

3.2 Mixtures

Comment on component parts	No dangerous components. Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
----------------------------	---

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 16.03.2011, Revision 28.01.2011

Page 2 / 6

4 First aid measures

4.1 Description of first aid measures

General information	none
Inhalation	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact	In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly with water.
Ingestion	In the event of symptoms seek for medical treatment. Seek medical advice immediately. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray jet. Carbon dioxide. Dry powder. Foam.
------------------------------	---

Extinguishing media that must not be used	Full water jet.
---	-----------------

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.
Forms slippery surfaces with water.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Avoid raising dust.
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See Chapter 8+13

7 Handling and storage

7.1 Precautions for safe handling

Avoid the formation and deposition of dust.

ÖKO-TEC Umweltschutzsysteme GmbH
63579 Freigericht-Horbach

Date printed 16.03.2011, Revision 28.01.2011

Page 3 / 6

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Store in a dry place.
The product is hygroscopic.

7.3 Specific end use(s)

See product use, Chapter 1.2

8 Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Range [%]	Substance / WEL: Workplace exposure limit
50 - < 100	Sodium polyacrylate, Potassium polyacrylate linked-up / - ppm, 0,05 mg/m ³ , alveolar ducts super-absorbent polymer dust (diameter <10 microns)

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Safety glasses.
Hand protection	Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	none
Other	Avoid contact with eyes and skin. Do not inhale dust. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Wash hands before breaks and after work. Use barrier skin cream.
Respiratory protection	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter P1.
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	See Chapter 6+7.

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 16.03.2011, Revision 28.01.2011

Page 4 / 6

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	powder
Color	light blue
Odor	odourless
Odour threshold	not applicable
pH-value	not applicable
pH-value [1%]	6-7
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability [°C]	> 440 (DIN 51794)
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure [kPa]	not applicable
Density [g/ml]	not determined
Bulk density [kg/m³]	> 500
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	> 440 (DIN 51794)
Decomposition temperature	> 200

9.2 Other information

none

10 Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

10.4 Conditions to avoid

See chapter 7.2.

10.5 Incompatible materials

not determined

10.6 Hazardous decomposition products

No hazardous decomposition products known.

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 16.03.2011, Revision 28.01.2011

Page 5 / 6

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Serious eye damage/irritation	not determined
Skin corrosion/irritation	not determined
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not determined
Specific target organ toxicity — repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	not determined
General remarks	

No classification on the basis of the calculation procedure of the preparation directive.
Toxicological data are not available.

12 Ecological information

12.1 Toxicity

12.2 Persistence and degradability

	not determined
Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required or not conducted.

12.6 Other adverse effects

None known.

13 Disposal considerations

13.1 Waste treatment methods

	Coordinate the waste disposal with the national authorities.
Product	
	For recycling, consult waste disposal centres. For recycling, consult manufacturer.
Waste no. (recommended)	070299
Contaminated packaging	
	Uncontaminated packaging may be taken for recycling.
Waste no. (recommended)	150102

14 Transport information

14.1 UN number

See point 14.2 in accordance with UN shipping name

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 16.03.2011, Revision 28.01.2011

Page 6 / 6

14.2 UN proper shipping name

Classification according to ADR	NO DANGEROUS GOODS
Classification according to IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Classification according to IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

See point 14.2 in accordance with UN shipping name

14.4 Packing group

See point 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See point 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under points 6 to 8.

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

not applicable

15 Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EEC-REGULATIONS	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

16 Other informations

Observe employment restrictions for people	no
VOC (1999/13/CE)	0 %

Disclaimer: 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.

Copyright: Chemiebüro®