

SAFETY DATA SHEET ABSOL (1907/2006/EC)

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

- 1.1 Trade name: ABSOL
- 1.2 Utilization: Oil binder TYPE III R and chemical binder for bases and aqueous polar liquids, and for combustible, flammable and non-polar organic liquids
- 1.3 Company: Yxhult Miljö AB
Norra Strandgatan 3, 703 61 Örebro
Sweden
- 1.4 Emergency telephone: General poisoning emergency number
- Contact: Torbjörn Gustafsson
Telephone: +46 (0)19-58 60 52

2 HAZARDS IDENTIFICATION

- 2.1 Classification according to Regulation No. 1272/2008/EC: Article is not subject to classification/labelling requirements.
- 2.2 Adverse human health effects / environmental effects: In case appropriate application: none.
During handling and storage of the product dust formation has to be avoided.
- 2.3 Additional information: Please consider information provided in this Safety Data Sheet.
The product does not fulfil the criteria for PBT-and vPvB-substances given in Annex XIII of Regulation 1907/2006/EC

3 COMPOSITION/INFORMATION ON INGREDIENTS

- Calciumsilicatehydrate 60–80 % w/w*
mainly tobermorite, i.e. $(\text{CaO})_5 \cdot (\text{SiO}_2)_6 \cdot (\text{H}_2\text{O})_5$
(CAS-no. 1319-31-9, EC)
- Embedded sand, being a filler 20–30 % w/w*
containing quartz (SiO_2) 15–30 % w/w*
(CAS-no. 014808-60-7; EC-no. 238-878-4)
- Calcium sulfate phases indicated as $[\text{SO}_4]_2^-$, i.e. 3–8 % w/w*
gypsum ($\text{CaSO}_4 \cdot 2 \text{H}_2\text{O}$)
(Reg.-No.: 01-2119444918-26-0000 to 01-2119444918-26-0294)
or anhydrite (CaSO_4)
(CAS-No. 7778-18-9, EC-No. 231-900-3)
- *related to the dry weight
- According to the criteria of Regulation 1907/2006/EC, ABSOL is an Article.

4 FIRST-AID MEASURES

In case of eye contact: Immediately rinse carefully and thoroughly using eye wash or water.

5 FIRE-FIGHTING MEASURES

ABSOL itself does not burn. Attune the fire-fighting measures to the surrounding fire.
In case of fire, there will be no release of dangerous substances from the substance itself.

6 ACCIDENTAL RELEASE MEASURES

ABSOL can be taken up mechanically. Dependent on the degree of contamination.
ABSOL can either be reused or discarded. Avoid dust formation.

7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling: Avoid dust formation.
- 7.2 Storage: Store in a dry place. Other special requirements do not exist.

8 EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT

8.1 Components that require monitoring according to occupational exposure limits:

General limit value for dust

Specification:	TRGS 900 – Grenzwerte in der Luft am Arbeitsplatz (D)
Parameter:	respirable fraction
Value:	10 mg/m ³
Version:	21.06.2010
Specification:	TRGS 900 – Grenzwerte in der Luft am Arbeitsplatz (D))
Parameter:	alveolar fraction
Value:	3 mg/m ³
Version:	21.06.2010

8.2 Exposure controls:

„Mineral dust“. During intended use, dust formation fully complies with general limit values for dust.
Hand protection is recommended preventively.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance greyish-white granules
Odour none
pH 10 – 11 (400 g / l H₂O)
Melting point ≥1200 °C
Flammability non-inflammable
Spontaneous combustion incombustible
Danger of explosion none

Comburent properties none
Vapor pressure non-applicable
Dry density 2.3 – 2.5 g/cm³
Bulk density ~ 400 kg/m³
Solubility in water insoluble
Distribution coefficient non-applicable

10 STABILITY AND REACTIVITY

10.1 Materials to avoid: Reacts with concentrated acids (heat development and/or release of carbon dioxide by neutralization reaction possible).
Reacts with concentrated oxidants (heat development and/

or accelerated decomposition of the oxidant possible).

10.2 Conditions to avoid: none

10.3 Hazardous decomposition products: none

11 TOXICOLOGICAL INFORMATION

ABSOL is non-toxic.
Repeated testing of ABSOL for free crystalline silica revealed that respirable dust from ABSOL contains less than 5% quartz. Therefore the concentration of respirable quartz dust is < 0.15 mg/m³, as long

as the general limit value for dust (3 mg/m³) is not exceeded. Due to its alkaline pH and desiccative properties, ABSOL may cause skin irritations upon long-term exposition.
Hand protection is recommended preventively.

12 ECOLOGICAL INFORMATION

12.1 Water hazard class: 1 (slightly hazardous to water).
Classification of the German Verwaltungsvorschrift wassergefährdende Stoffe from May 17, 1999 (VwVwS) and the Änderung der Verwaltungsvorschrift wassergefährdende Stoffe from July 27, 2005, respectively, which concerns the contents of calcium sulphate and calcium hydroxide.
12.2 Daphnia toxicity: ABSOL dispersed in water is not ecotoxic to Daphnia when the pH is kept neutral (Test according to the German DIN 38412-30:1989-03 (L 30); Dr. U. Noack-Laboratorien, Käthe-Paulus-Str. 1, 31157 Sarstedt, Germany).

12.3 Persistence and degradability: Based on available data, classification criteria are not fulfilled.

12.4 Bioaccumulation potential: Based on available data, classification criteria are not fulfilled.

12.5 PBT and vPvB assessment: Based on available data, classification criteria are not fulfilled.

12.6 Other harmful effects: Not known.

ABSOL is extremely poorly soluble in water and can be easily separated from water by filtration or sedimentation.

13 DISPOSAL CONSIDERATIONS

Reutilization is possible. ABSOL fulfils the requirements for dump category I according to the German Verordnung über Deponien und Langzeitlager (DepV) of 27 April 2009. Category I applies for non-hazardous waste requiring no special supervision, i.e. treated (physical, thermal, chemical, biological) domestic, commercial and industrial waste with very low contents of organic matter and

very low emissions of pollutants in leaching tests.
Waste code according to European Waste Catalogue (EWC): 17 01 01. For appropriate disposal of used ABSOL, please consider relevant and legal directives pertaining substances ab-/adsorbed to ABSOL.

14 TRANSPORT INFORMATION

Non-hazardous material according to transport regulations.

15 REGULATORY INFORMATION

15.1 EU regulations / National regulations / Specific regulations Labelling according to Regulation No. 1272/2008/EC: No labeling required
Water hazard class (WGK): 1 (slightly hazardous to water)

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16 OTHER INFORMATION

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge.

It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.