

**ABSORGEL (Blanket, Hanging, Pouch, Sheet, Max, Compact) Common sheet**

Date of issue: 2013-03-29

Version: 7

Audit date: 2019-10-23

Page: 1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 - PRODUCT IDENTIFIER****ABSORGEL (Blanket, Hanging, Pouch, Sheet, Max and Compact), Common sheet****CATALOGUE NO**

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**1.2 - RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

Drying agent.

**1.3 - DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET****Supplier:** ABSORTECH Group AB**Address:** Tryckerivägen 4, 311 44 Falkenberg, Sweden**Phone:** +46 (0)346-420 70**Fax:** +46 (0)346-422 22**Homepage:** [www.absortech.com](http://www.absortech.com)**e-mail:** [info@absortech.com](mailto:info@absortech.com)**1.4 - EMERGENCY TELEPHONE NUMBER**24 hour service is available at NHS Direct in UK: +44-(0)845 46 47 or call 112 or 999, see also [www.nhsdirect.nhs.uk](http://www.nhsdirect.nhs.uk)**SECTION 2: Hazards identification****2.1 - CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

GHS07, Warning: Eye Irrit. 2: H319 (Causes serious eye irritation)

**2.2 - LABEL ELEMENTS****According to CLP (REGULATION (EC) No 1272/2008)****Pictogram:**

GHS07

**Signal word:**

Warning

**Hazard statements:**

H319 – Causes serious eye irritation

**Precautionary statements:**

P264 – Wash hands thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice/attention.

**ABSORGEL (Blanket, Hanging, Pouch, Sheet, Max, Compact) Common sheet**

Date of issue: 2013-03-29

Version: 7

Audit date: 2019-10-23

Page: 2

**Contains:** Calcium chloride, CAS-No. 10043-52-4, EG-No. 233-140-8**2.3 - OTHER HAZARDS (LABELLING)**

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**SECTION 3: Composition/information on ingredients****3.2 - MIXTURES****ACCORDING TO CLP (REGULATION (EC) No 1272/2008)**

Substance name	EG Number	Reg. Number	CAS Number	Concentration	Pictogram(s)	H-phrase(s)*	Category
Calcium chloride	233-140-8	01-2119494-219-28	10043-52-4	94-97 %	GHS07 Warning	H319	Eye Irrit. 2

The product also contains starch, CAS no. 9005-25-8

\* For the full text of the H-Statements mentioned in this section, see Section 16.

**SECTION 4: First aid measures****4.1 – DESCRIPTION OF FIRST AID MEASURES****INHALATION**

Fresh air.

**SKIN CONTACT**

Immediately take off all contaminated clothing/shoes.

Carefully wash the skin for several minutes with soap and water.

Contact a doctor if the complaints persist.

**EYE CONTACT**

Contact a doctor if the complaints persist.

Important! Immediately rinse with slightly warm water for 5 minutes. Keep eyelids well apart.

**INGESTION**

Immediately give a couple of glasses of milk or water if the person is fully conscious.

Go to hospital/doctor if a larger amount has been swallowed. Do not induce vomiting.

**4.2 - MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Irritating to eyes. Can slightly irritate skin. Dehydration in case of prolonged skin contact. Can have slight irritating effect on mucous membranes of pharynx and throat. Unpleasant sensation in mouth already after the first inhalations if high concentrations of dust levels. Can irritate esophagus and the stomach.

**4.3 - INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Install washbasin and eye wash facility in working area.

**SECTION 5: Firefighting measures****5.1 - EXTINGUISHING MEDIA**

The product is not combustible. Choose extinguishing media depending on surrounding fire. Extinguish with powder, carbon dioxide or alcohol resistant foam.

**5.2 - SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Avoid inhaling of flue gases.

**5.3 - ADVICE FOR FIREFIGHTERS**

In the event of fire, wear self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system. Remove container from danger zone and cool with water.

**ABSORGEL (Blanket, Hanging, Pouch, Sheet, Max, Compact) Common sheet**

Date of issue: 2013-03-29

Version: 7

Audit date: 2019-10-23

Page: 3

**SECTION 6: Accidental release measures****6.1 - PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Ensure adequate ventilation. Avoid substance contact. Avoid formation of dust. Do not inhale dust. Protective equipment, see Section 8.

**6.2 - ENVIRONMENTAL PRECAUTIONS**

Do not empty into drains.

**6.3 - METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Observe possible material restrictions (see Sections 7 and 10).

Absorb spill with inert material (dry cloth, dry sand), then place preferably in a suitable clean container for re-use. Otherwise place in a chemical waste container and dispose of properly. Clean up affected area with water. Ventilate area after material pick up is completed.

**6.4 - REFERENCE TO OTHER SECTIONS**

See Sections 8 and 13 for information concerning protective equipment and waste treatment methods.

**SECTION 7: Handling and storage****7.1 - PRECAUTIONS FOR SAFE HANDLING**

Operate in a well-ventilated area, atmospheric levels should be controlled in compliance with the exposure scenarios and occupational exposure limits. Wear protective equipment, see Section 8. Avoid contact with skin and eyes.

Avoid inhalation of dust.

**7.2 - CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES**

Store in a dry area in room temperature. Keep container tightly closed. Do not store with acids or strong oxidizing or reducing agents. Avoid excessive ventilation during storage as the product can absorb moisture from the air.

**7.3 - SPECIFIC END USE(S)**

Apart from the uses mentioned in Section 1 no other specific uses stipulated.

**SECTION 8: Exposure controls/personal protection****8.1 - CONTROL PARAMETERS****OCCUPATIONAL EXPOSURE LIMITS (Directive 2000/39/EC)****DNEL**

No information available

**PNEC**

No information available

**8.2 - EXPOSURE CONTROLS****RESPIRATORY PROTECTION**

In case of insufficient ventilation, use particle filter type P2.

**HAND PROTECTION**

The protective gloves to be used must comply with the specification of EC Directive 89/686/EEC and the related standard EN374.

**Recommended materials 4 - 8 h**

Tychem Responder

**EYE/FACE PROTECTION**

Safety glasses.

**OTHER PROTECTIVE EQUIPMENT**

Use protective clothing to avoid skin contact.

**HYGIENE MEASURES**

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

**SECTION 9: Physical and chemical properties****9.1 – INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

**ABSORGEL (Blanket, Hanging, Pouch, Sheet, Max, Compact) Common sheet**

Date of issue: 2013-03-29

Version: 7

Audit date: 2019-10-23

Page: 4

<b>Appearance</b>	Powder /solid/granular
<b>Colour</b>	White, grey (the substance could have small impurities of iron that gives light nuance coloration to the end product depending on the state of oxidation of iron itself (off-white, yellow, pink)).
<b>Odor</b>	Odorless
<b>pH</b>	8 - 10 (in suspension at 10 % in water) GESTIS Database
<b>Boiling point</b>	> 1600°C
<b>Melting point</b>	782°C
<b>Relative density</b>	2,15 g/cm <sup>3</sup> (25 °C)
<b>Vapour pressure</b>	Negligible
<b>Solubility</b>	745 g/l (20 °C)

**9.2 - OTHER INFORMATION**

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## SECTION 10: Stability and reactivity

**10.1 - REACTIVITY**

The product is chemically stable under standard conditions.

**10.2 - CHEMICAL STABILITY**

The product is chemically stable under standard conditions (stable emulsion up to 65°C and activity up to 300°C).

**10.3 - POSSIBILITY OF HAZARDOUS REACTIONS**

The product is chemically stable under standard conditions.

**10.4 - CONDITIONS TO AVOID**

Avoid moisture during storage.

**10.5 - INCOMPARTIBLE MATERIALS**

Acids. Can react violently with some strong oxidizing or reducing agents.

Calcium chloride can cause pitting of and corrosion of some grades of stainless steel and under high temperature and stress conditions can promote stress corrosion cracking.

**10.6 - HAZARDOUS DECOMPOSITION PRODUCTS**

None when used according to identified uses.

## SECTION 11: Toxicological information

**11.1 - INFORMATION ON TOXIKOLOGICAL EFFECTS**

	<b>ACUTE EFFECTS</b>	<b>CHRONIC EFFECTS</b>
<b>SKIN CONTACT</b>	Can slightly irritate skin. Dehydration in case of prolonged skin contact.	-
<b>EYE CONTACT</b>	Irritating to eyes.	-
<b>INHALATION</b>	Can have slight irritating effect on mucous membranes of pharynx and throat. Unpleasant sensation in mouth already after the first inhalations if high concentrations of dust levels.	-
<b>INGESTION</b>	Can irritate esophagus and the stomach.	-

**ACUTE TOXICITY**
**Calcium chloride:**

LD50 Oral Rat: 1000 mg/kg body weight (can be harmful if ingested)

LD50 Dermal Rat: 2630 mg/kg body weight (can be harmful in case of skin contact)

Irritating to rabbit eye (OECD 405).

**IRRITATION**

Irritating to eyes. Can slightly irritate skin and stomach.

**ABSORGEL (Blanket, Hanging, Pouch, Sheet, Max, Compact) Common sheet**

Date of issue: 2013-03-29

Version: 7

Audit date: 2019-10-23

Page: 5

**CORROSIVE EFFECT**

Not known.

**SENSITISATION**

Not known.

**TOXICITY AT REPEATED EXPOSURE**

Not known.

**CANCEROGENICITY**

Not known.

**MUTAGENICITY**

Not known.

**REPRODUCTIVE TOXICITY**

Not known.

**INTERACTIVE EFFECTS**

Not known.

**ABSENCE OF DATA**

Toxicological data for the product is not available.

**SECTION 12: Ecological information****12.1 - TOXICITY**

Not classified as hazardous for the environment.

**ECOTOXICITY FOR INGREDIENTS****Calcium Chloride:**

LC50 Fisk 96h: 10650 mg/l Art: Lepomis macrochirus (not ecotoxic)

EC50 Daphnia 48h: 144 mg/l Art: D. magna (not ecotoxic)

IC50 Alger 72h: 3130 mg/l (not ecotoxic)

**12.2 - PERSISTENCE AND DEGRADABILITY**

Irrelevant. Inorganic substance.

**12.3 - BIOACCUMULATIVE POTENTIAL**

No bioaccumulation expected.

**12.4 - MOBILITY IN SOIL AND WATER**

Partly soluble in water.

**RESULTS OF PBT- AND vPvB assessment**

Irrelevant. Inorganic substance.

**12.5 - OTHER ADVERSE EFFECTS**

No information available.

**CONCLUSION**

No interference with wastewater treatment plants are to be expected when used properly. Discharge into the environment must be avoided.

**SECTION 13: Disposal considerations****13.1 – WASTE TREATMENT METHODS**

In accordance with SFS 2011:927 unused product is hazardous waste.

Suggestion of EWC-code:

**11 WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY****15 02 absorbents, filter materials, wiping cloths and protective clothing**

15 02 02\* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

**CONTAMINATED PACKAGE**

Should be recycled in accordance with local, state or national regulations.

**TREATMENT OF WASTE – USED PRODUCT**

Used Absorgel product contains absorbed water with diluted calcium chloride with starch and polyethylene (HDPE).

May be regarded as common waste.

**ABSORGEL (Blanket, Hanging, Pouch, Sheet, Max, Compact) Common sheet**

Date of issue: 2013-03-29

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Audit date: 2019-10-23

Page: 6

**SECTION 14: Transport information**

Not classified as dangerous goods in accordance with ADR/RID/IMO/DGR.

**SECTION 15: Regulatory information****15.1 - SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

CLP (REGULATION (EC) No 1272/2008 and REGULATION 830/2015/EC, REACH Annex II)

**15.2 - CHEMICAL SAFETY ASSESSMENT**

Chemical Safety Assessment (CSA) is available for the product (in Swedish).

**SECTION 16: Other information****FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTION 3**

H319 – Causes serious eye irritation

**KEY OR LEGEND TO ABBREVIATIONS AND ACRONYMS USED IN THE SAFETY DATA SHEET**

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**REFERENCES TO LITERATURE OCH DATABASES**

See Chemical Safety Assessment (CSA).

**REVISION**

Version 1 (2013-03-29): basic document.

Version 2 (2013-11-14): Insertion of treatment of waste – used product in section 16.

Version 3 (2014-10-20): Insertion of treatment of waste – used product also in section 13.

Version 4 (2016-05-15): Classification and labeling according to DPD removed. All sections are now numbered.

Version 5 (2019-09-12): Change of company name in section 1 and 16. Update of common products valid for the product in section 1. Update of legal references in section 15.

Version 6 (2019-10-18): Changes of concentration in section 3.2. Adjustments in section 8, 11 and 12. Total check.

Version 7 (2019-10-23): Corrections in section 3.2 concerning starch.

**TREATMENT OF WASTE – USED PRODUCT**

Used Absorgel product contains absorbed water with diluted calcium chloride with starch and polyethylene (HDPE).

May be regarded as common waste.

**OTHER INFORMATION**

This information is complementary. However, the user should independently decide whether the information is sufficient. Responsible for the product safety and facts is ABSORTECH Group AB. Safety Data Sheet has been established with the participation of Amasis Konsult AB, Solna.