

Material Safety Data Sheet:

Indicating High Absorption Desiccant

*1 Product / Corporate Identification

1.1 **Product:** Indicating High Absorption Desiccant

1.2 **Application:** Dehumidifying, moisture-proof 1.3

Manufacturer:

Wisesorbent Technology LLC

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*2 Hazards Identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008):

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

Classification system:

The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

Hazard pictograms



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.

Containers: Calcium chloride, CAS-No. 10043-52-4, EG-No. 233-140-8

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable



Material Safety Data Sheet:

Discolored High Absorption Desiccant

*3 Composition/information on ingredients

3.1 Substance

Composition	Percentage	Molecular Formula	CAS Number	EC Number
Calcium Chloride	≥60%	CaCl ₂	10043-52-4	233-140-8
Starch	≤35%	(C ₆ H ₁₀ O ₅) _n	9005-25-8	232-679-6
Diatomite	≤5%	SiO ₂	61790-53-2	293-303-4

*4 Emergency Measure

4.1 Description of first aid measures

Inhalation: Consult doctor immediately if feeling unwell.

Ingestion: Immediately give a couple of glasses of milk or water if the person is fully conscious. Got to hospital/doctor if a larger amount has been swallowed. Do not induce vomiting.

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. Immediately flush with plenty of warm water for at least 5 minutes. Keep eyelids well apart.

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.

*5 Firefighting Measure

5.1 Extinguishing media

Suitable extinguishing agent: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Flammability: Product is nonflammable, but the packaging material may produce harmful substances in fire.

5.4 Advice for firefighters

Protective equipment:

Mouth respiratory protective device

Wear fully protective suit



Material Safety Data Sheet:

Discolored High Absorption Desiccant

*6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid contact with eyes.

Avoid formation of dust.

Avoid contact with skin.

Do not inhale dust.

Use respiratory protective device against the effect of fumes/dust/aerosol.

6.2 Environmental precautions: Do not empty into drains

6.3 Methods and materials for containment and cleaning up:

Clean up the broken bag and leaked material; vacuum the leakage dust.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for disposal information.

*7 Handling and Storage

7.1 Precautions for safe handling:

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Keep desiccant pouch sealed.

Keep away from heat and sunlight.

Prevent formation of dust.

Avoid contact with skin and eyes.

Wear protective equipment, see Section 8.

7.2 Conditions for safe storage including any incompatibilities:

Store in a cool, dry area in room temperature.

Keep container tightly closed.

Do not store with acids, alkaline or salt materials.

Avoid excessive ventilation during storage as the product can absorb moisture from the air.

7.3 Specific end uses(s)

No further relevant information available.

*8 Exposure Controls / Personal Protection

8.1 Control parameters:

Occupational exposure limits (Directive 2000/39/EC)



Material Safety Data Sheet:

Discolored High Absorption Desiccant

DNELs: Data not available.

PNECs: Data not available.

8.2 Exposure controls:

Base on composition shown in section 3, the following measures are suggested for occupational safety measure:

Hand protection: Wear protective gloves.

Respiratory protection: No special protection needed, use anti dust mask when the bag is broken.

Eye protection: No special protection needed, use safety glasses when the bag is broken.

Body protection: Wear appropriate protective clothing.

Engineering Control: General ventilation or local exhaust ventilation.

*9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance: powder / solid / granular 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)).

Odor: Odorless

PH Value: 8.0~10.0

Bulk Density: 750g/L

Boiling Point: 1600°C

Melting Point: 782°C

Flammability: Non combustible

Flash Point: Not applicable

Ignition Point: Not applicable

Solubility: 745g/l (20°)

9.2 Other Information: No further relevant information available.

*10 Stability and Reactivity

10.1 **Reactivity:** The product is chemically stable under standard conditions.

10.2 **Stability:** Chemically stable under ordinary conditions.

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 **Incompatible Materials:** Avoid hydrogen fluoride, hydrofluoric acid, chlorine trifluoride, oxygen difluoride

10.6 **Hazardous Decomposition Products:** No dangerous decomposition products known.

*11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: Base on available data, the classification criteria are not met.

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



Material Safety Data Sheet:

Discolored High Absorption Desiccant

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.

Respiratory or skin sensitization: Base on available data, the classification criteria art not met.

Germ cell mutagenicity: Base on available data, the classification criteria art not met.

Carcinogenicity: Base on available data, the classification criteria art not met.

Reproductive toxicity: Base on available data, the classification criteria art not met.

STOT-single exposure: Base on available data, the classification criteria art not met.

STOT-repeated exposure: Base on available data, the classification criteria art not met.

Aspiration hazard: Base on available data, the classification criteria art not met.

Carcinogenicity: Base on available data, the classification criteria art not met.

*12 Ecological Information

12.1 Toxicity

Ecotoxicity effects: Do not empty into drains. Do not flush into surface water or sanitary sewer system.

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

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

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

12.2 **Persistence and degradability:** No further relevant information available.

12.3 **Bioaccumulative potential:** No further relevant information available.

12.4 **Mobility in soil:** No further relevant information available.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects:

Endocrine Disruptor Information: This product does not contain any known or suspected endocrine disruptors

Persistent Organic Pollutant: This product does not contain any known or suspected substance

Ozone Depletion Potential: This product does not contain any known or suspected substance No further relevant information available.

*13 Disposal consideration

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



Material Safety Data Sheet:

Discolored High Absorption Desiccant

contaminated by dangerous substance

Contaminated package

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

Treatment of waste – used product

Used ABSORPOWER products contains absorbed water with diluted calcium chloride with starch and polyethylene (HDPE).

May be regarded as common waste.

*14 Transportation information

IMDG/IMO

Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

ADR

Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

IATA

Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. **Environmental hazards:** No hazards identified.

14.6. **Special precautions for user:** No special precautions required.

14.7. **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable, packaged goods

*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 English)



Material Safety Data Sheet:

Discolored High Absorption Desiccant

*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 or databases

See chemical safety assessment (CSA)

Treatment of Waste – Used Product

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

May be regarded as common waste.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

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