

Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II,

Amended by COMMISSION REGULATION (EU) 2020/878,

Amended by COMMISSION DELEGATED REGULATION (EU) 2023/707,

According to REGULATION (EC) No 1272/2008

DEHUMIDIFIER

Version 1.0

Issue date: 26-02-2025

Revision date: 26-02-2025

CIRS SDS Record Number: CSSS-TCO-010-165734

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: HB Smith - 9.88oz Disposable Moisture Absorber
Additional identification: Nanoform is NOT covered by this SDS. CAS#
Identification of the product: 10035-04-8 EC# N/A
Index Number: Not available
REACH registration No.: 01-2119494219-28-0125

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

1.2.1 Identified uses:

Home moisture absorber.

SU 1: Agriculture, forestry and fishing

SU 2a: Mining (without offshore industries)

SU 2b: Offshore industries

SU 4: Manufacture of food products

SU 5: Manufacture of textiles, leather, fur

SU 6b: Manufacture of pulp, paper and paper products

SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)

SU 9: Manufacture of fine chemicals

SU 11: Manufacture of rubber products

SU 12: Manufacture of plastics products, including compounding and conversion

SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement

SU 14: Manufacture of basic metals, including alloys

SU 15: Manufacture of fabricated metal products, except machinery and equipment

SU 16: Manufacture of computer, electronic and optical products, electrical equipment

SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

SU 19: Building and construction work

SU 20: Health services

SU 0: Other: C23.5 - Manufacture of cement, lime and plaster, C23.6 - Manufacture of articles of concrete, cement and plaster

PC 2: Adsorbents

PC 4: Anti-freeze and de-icing products

PC 12: Fertilisers

PC 16: Heat transfer fluids

PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents

PC 27: Plant protection products

PC 35: Washing and cleaning products

PC 37: Water treatment chemicals

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PC 0: Other: Cement, Dust suppression

PC 0: Other: Dust suppressant spray

PC 0: Other: Humidity adsorbants

PC 0: Other: UCN code K35100

PC 2: Adsorbents

1.2.2 Uses advised against:

No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): Chemical Inspection & Regulation Service Limited
Supplier(Manufacturer): Mr. Brands LLC
Address: 1414 Radcliffe St. Suite 105. Bristol, PA 19007
Contact person(E-mail): Support@mrbrands.com
Telephone: 877-420-7555
Fax: -

1.4 Emergency telephone Number:

Only available during office hours (9:00a.m.-17:30p.m.) 877-420-7555

Available outside office hours? YES ☐ NO ☒

Section 2 Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the substance:

The substance is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Acute Tox. 4	H302
Eye Irrit. 2	H319

For full text of H- phrases: see section 2.2.

2.2 Label elements:

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

Precautionary statement(s):

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

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

P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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

P330: Rinse mouth.

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

P501: Dispose of contents/container in accordance with local regulations.

Supplemental Hazard information (EU)

Not applicable.

2.3 Other hazards:

The substance is not PBT / vPvB.

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The substance is not identified as having endocrine disrupting properties.

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Calcium chloride dihydrate	01-2119494219-28-0125	10035-04-8	N/A	100%	N/A

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move to fresh air. If symptoms persist, call a physician.

4.1.2 In case of skin contact:

Remove and wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician.

4.1.3 In case of eyes contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

4.1.4 In case of ingestion:

Rinse mouth with water. Do NOT induce vomiting. If symptoms persist, call a physician or Poison Control Centre immediately.

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

Harmful if swallowed. Causes serious eye irritation.

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

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Not available.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Chloride. Metal oxide.

5.3 Advice for firefighters:

Self-contained breathing apparatus with full-face mask and full protective clothing (standard wear).

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Avoid dust formation. Advice for emergency responders Sweep up to prevent slipping hazard.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental precautions:

Should not be released into the environment.

6.3 Methods and material for containment and cleaning up:

Sweep up and shovel into suitable containers for disposal. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Ensure adequate ventilation. Keep away from Incompatible products.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in original container. Keep in a dry place. Keep in properly labelled containers. Keep container closed. Keep away from Incompatible products. In bulk: in silo or in heap (covered and isolated from the ground) on a well-drained surface.

Suitable packaging material: Polyethylene. Polypropylene. Plastic material PVDF, PTFE, PFA.

Unsuitable packaging material: Aluminium.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Not available.

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Workers - Hazard via inhalation route	Local effects-Long term exposure	DNEL=6.6 mg/m ³
Workers - Hazard via inhalation route	Local effects-Acute/short term exposure	DNEL=13.2 mg/m ³
General Population - Hazard via inhalation route	Local effects-Long term exposure	DNEL=3.3 mg/m ³
General Population - Hazard via inhalation route	Local effects-Acute/short term exposure	DNEL=6.6 mg/m ³

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection:

Goggles.

Skin protection

Hand protection:

Wear suitable gloves. Suitable material: PVC, Neoprene, Natural Rubber.

Body protection:

Dust impervious protective suit. Apron/boots of PVC, neoprene in case of dusts.

Respiratory protection:

Respirator with a particle filter (EN 143). Recommended Filter type: P2.

Thermal hazards:

Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls:

Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:

Solid

Colour:

White

Odour:

Odorless

Odour threshold:	Not available
pH:	Not available
Melting point/freezing point (°C):	Not available
Boiling point or initial boiling point and boiling range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (gas, liquid, solid):	Not available
Ignition temperature (°C):	Not available
Lower and upper explosion limit:	Not available
Vapour pressure (20°C):	Not available
Relative vapour density:	Not available
Relative Density (g/cm³):	Not available
Bulk density (kg/m³):	Not available
Solubility in water (g/l, 20°C):	Not available
Solubility in other polar and non-polar solvents (g/l, 20°C):	Not available
Partition coefficient n-octanol/water (log Po/w, 20°C):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Kinematic viscosity (mm²/s):	Not available
Particle characteristics:	D50=243.4 µm
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	CaCl2.2(H2O)
Molecular Weight:	147.02
9.2. Other information:	
Fat solubility(solvent-oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and Reactivity

10.1 Reactivity:	Hygroscopic. Potential for exothermic hazard.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	Reacts violently with water.
10.4 Conditions to avoid:	Incompatible materials. Exposure to moisture.
10.5 Incompatible materials:	Oxidising substances. Keep away from reducing agents. May be corrosive to metals (aqueous solution).
10.6 Hazardous decomposition products:	Chloride. Metal oxide.

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	
LD50(Oral, Rat):	Not available
LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

11.2 Information on other hazards

Endocrine disrupting properties	The substance is not identified as having endocrine disrupting properties.
Other information	Not applicable

Section 12 Ecological information

12.1 Toxicity:

Acute (short-term) toxicity:	
LC50(96h, Fish):	Not available
LC50(48h, Crustacea):	Not available
EC50(72h, Algae/aquatic plants):	Not available
Chronic (long-term) toxicity:	
NOEC(Fish):	Not available
NOEC(Crustacea):	Not available
NOEC(Algae/aquatic plants):	Not available

12.2 Persistence and degradability:	Not available
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12.3 Bioaccumulative potential:	Not available
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12.4 Mobility in soil:	Not available
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12.5 Results of PBT and vPvB assessment:	The substance is not PBT / vPvB.
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12.6 Endocrine disrupting properties:	The substance is not identified as having endocrine disrupting properties.
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12.7 Other adverse effects:	Not available.
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12.8 Additional information	Not available.
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Section 13 Disposal considerations

13.1 Waste treatment methods:	Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.
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Section 14 Transport Information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulatory information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical Safety Assessment

YES ☒ NO ☐

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2020/878, (EU) 2023/707

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008		Classification procedure
Acute Tox. 4	H302	On basis of test data
Eye Irrit. 2	H319	On basis of test data

16.5 Relevant H-statements (number and full text):

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

16.6 Training instructions:

Not applicable.

16.7 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.8 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Author: Hangzhou REACH Technology Group Co., Ltd. **Website:** www.cirs-group.com **Tel:** 0571-87206555 **Email:** info@cirs-group.com