SAFETY DATA SHEET
HJ ABC Super Powder for Housegard, Firephant, CGS

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued	16.11.2009
Revision date	11.09.2013

1.1. Product identifier

Product name	HJ ABC Super Powder for Housegard, Firephant, CGS
Synonyms	Powder for Housegard PE1TG, PE2TGH, PE6GEB, PE12TG, Firephant FP1V1, FP2V1, CGS PE2TGH, PE12TG
Article no.	600050-50, 600070-88, 600071-50, 600071-88, 600075-50, 600077-50, 600078-50, 600043-50, 600044-50, 600100-50, 600101-50, 600103-50, 600105-50

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

Product group	Fire extinguisher
Use of the substance/preparation	Powder for Housegard, Firephant, CGS Extinguishers

1.3. Details of the supplier of the safety data sheet

Downstream user

Company name	GPBM Nordic AB
Postal address	Argongatan 2B
Postcode	SE-431 53
City	Mölndal
Country	Sweden
Tel	+46 31 799 16 00
Fax	+46 31 799 16 01
E-mail	info@gpbmnordic.se
Website	www.gpbmnordic.se
Contact person	Frank Willy Ottesen

1.4. Emergency telephone number

Emergency telephone	**Tel:** 112 or 999 **Description:** Only emergency call number

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

DSD/DPD Classification, Comments	Classification according to 67/548/EEC or 1999/45/EC: Not classified.

2.2. Label elements

Other Label Information	Safety Data Sheet is available upon request for professional users.
Composition on the label	Mica , Talc , Amorphous silica

2.3. Other hazards

PBT / vPvB	PBT/vPvB assessment has not been performed.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Ammonium dihydrogenorthophosphate	CAS no.: 7722-76-1 EC no.: 231-764-5 REACH Reg. No.: 01-2119488166-29		80 - 90 %
Mixture of substances below (Mica powder, other resist agglomeration matter and silicon oil):			< 10 %
Mica	CAS no.: 12001-26-2		
Talc	CAS no.: 14807-96-6 EC no.: 238-877-9		
Amorphous silica	CAS no.: 7631-86-9 EC no.: 231-545-4		
Poly(methylhydrosiloxane), silicon oil	CAS no.: 63148-57-2		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Emergency telephone number: see section 1.4.
Inhalation	Fresh air and rest.
Skin contact	Remove contaminated clothing. Wash the skin immediately with soap and water.
Eye contact	Immediately flush with plenty of water for up to 5 minutes. Remove any contact lenses and open eyes wide apart. Contact physician if discomfort continues.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention. Do not induce vomiting unless explicitly instructed to do so by a doctor!

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

General symptoms and effects	Inhalation of dust may cause coughing and difficulty breathing. Contact with moist skin can irritate sensitive skin. Eye contact may cause temporary pain, redness and tearing. Ingestion may cause irritation of the stomach/intestines.

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

Other Information	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The chemical is a fire extinguiser.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	None.
Hazardous combustion products	May include, but is not limited to: Oxides of nitrogen (NOx) Ammonia or amines. Oxides of phosphorous (POx).

5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Use protective equipment as referred to in section 8.

6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter into sewer, water system or soil.

6.3. Methods and material for containment and cleaning up

Cleaning method	Collect with vacuum cleaner or carefully sweep together and collect. Collect in suitable containers and deliver as waste according to section 13.

6.4. Reference to other sections

Other instructions	See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Avoid spread of dust. Avoid contact with skin and eyes. Avoid inhalation of dust.

Protective Safety Measures

Advice on general occupational hygiene	Wash hands after contact with the chemical. Change contaminated clothing and take off protective equipment before the meal.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container in a dry and cool place. Vibration-free storage.
Special risks and properties	When the powder passes through plastic pipes electrostatic charge can occur.

Conditions for safe storage

Advice on storage compatability	Keep away from: Strong alkalis.

7.3. Specific end use(s)

Specific use(s)	See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
Mica, total inhalable	CAS no.: 12001-26-2	TWA (8h): 10 mg/m³	TWA Year: 2007
Talc, respirable dust	CAS no.: 14807-96-6 EC no.: 238-877-9	TWA (8h): 1 mg/m³	TWA Year: 2007
Silica, amorphous	CAS no.: 7631-86-9 EC no.: 231-545-4	TWA (8h): 1,5 mg/m³ **Exposure Limit Letter** Letter description: Respirable dust	

8.2. Exposure controls

Limitation of exposure on workplace	Mechanical ventilation may be required. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment. A risk assessment of the work place/work activities (the actual risk) may lead to other control measures.

Respiratory protection

Respiratory protection	In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Hand protection

Hand protection	Use gloves from resistant material, eg.: Nitrile. Penetration time is not relevant, since the chemical is solid.

Eye / face protection

Eye protection	Wear dust resistant safety goggles where there is danger of eye contact.

Skin protection

Skin protection (except hands)	Ordinary workwear.

Appropriate environmental exposure control

Environmental exposure controls	Do not allow to enter into sewer, water system or soil.

Other Information

Other Information	Eye wash facilities should be available when handling this chemical.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Powder.
Colour	Blue.
Odour	None.
Odour limit	**Comments:** Not relevant.
pH	**Status:** In delivery state **Comments:** Not determined.
Melting point/melting range	**Value:** > 100 °C
Boiling point / boiling range	**Comments:** Not relevant.
Flash point	**Comments:** Not relevant.
Evaporation rate	**Comments:** Not relevant.
Flammability (solid, gas)	Not relevant.
Explosion limit	**Comments:** Not relevant.
Vapour pressure	**Comments:** Not relevant.
Vapour density	**Comments:** Not relevant.
Specific gravity	**Comments:** Not determined.
Solubility in water	> 90% after several hours.
Partition coefficient: n-octanol/water	**Comments:** Not determined.
Spontaneous combustability	**Comments:** Not determined.
Decomposition temperature	**Comments:** Not determined.
Viscosity	**Comments:** Not relevant.
Oxidising properties	Not determined.

9.2. Other information

Other physical and chemical properties

Comments	No further information is available.

SECTION 10: Stability and reactivity

10.1. Reactivitv

Reactivity	No test data available.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Arise in contact with incompatible materials (see section 10.5) and/or under inappropriate conditions (see section 10.4).

10.4. Conditions to avoid

Conditions to avoid	Protect from moisture.

10.5. Incompatible materials

Materials to avoid	Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products	Ammonia at temperatures > 100 °C. See also section 5.2.

Other information

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Potential acute effects

Inhalation	Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.
Skin contact	Can slightly irritate moist skin.
Eye contact	Dust may give mechanical eye irritation. May cause stinging and redness.
Ingestion	May irritate and cause malaise.
Irritation	Based on available data, the classification criteria are not met.

Delayed effects / repeated exposure

Sensitisation	Based on available data, the classification criteria are not met.
Repeated dose toxicity	Based on available data, the classification criteria are not met.
Chronic effects	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	Based on available data, the classification criteria are not met.
Mutagenicity	Based on available data, the classification criteria are not met.
Teratogenic properties	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and degradability

Persistence and degradability	The chemical consists mainly of inorganic materials which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	No information required.

12.4. Mobility in soil

Mobility	No information.

12.5. Results of PBT and vPvB assessment

PBT assessment results	PBT assessment has not been performed.
vPvB evaluation results	vPvB assessment has not been performed.

12.6. Other adverse effects

Other adverse effects / Remarks	HJ ABC Super Powder contains ammoiumphosphate which is a soil fertilizer. Do not allow to enter into sewer, water system or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of on site landfill area. The waste code (EWC-Code) is intended as a guide. The user must select a code if the use differs from the one mentioned below.
Product classified as hazardous waste	No
EWC waste code	EWC: 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

SECTION 14: Transport information

14.1. UN number

Comments	Not relevant.

14.2. UN proper shipping name

Comments	Not relevant.

14.3. Transport hazard class(es)

Comments	Not relevant.

14.4. Packing group

Comments	Not relevant.

14.5. Environmental hazards

Comments	Not relevant.

14.6. Special precautions for user

Special safety precautions for user	Not relevant.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category	Not relevant.

Additional information.

Additional information.	Not considered as dangerous goods under UN, IMO, ADR/RID or IATA/ICAO regulations.

SECTION 15: Regulatory information

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

References (laws/regulations)	CHIP Regulations. The Chemicals (Hazard Information and Packaging for Supply) Regulation. Regulation (EC) No 1907/2006 (REACH) Annex II: Safety data sheets, with later amendments. EH40/2005 Workplace exposure limits, with later amendments. Norwegian regulations on waste. no. 930/2004, from the Ministry of Environment. Dangerous Goods regulations

15.2. Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.
Key literature references and sources for data	Suppliers Safety data sheet dated: 20/11/2008
Abbreviations and acronyms used	PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
Information which has been added, deleted or revised	Sections being revised since previous version: all (new format)
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