

SAFETY DATA SHEET

HJ ABC Super Powder

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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
Synonyms Powder for Housegard extinguishers
Article no. 609099

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

Use of the substance/preparation Powder for Housegard PE1TG, PE2TG, PE4TG, PE6GE, PE12TG extinguishers

1.3. Details of the supplier of the safety data sheet

Downstream user

Company name
Postal address
Postcode
City
Country
Tel
Fax
E-mail
Website
Enterprise no.
Contact person

1.4. Emergency telephone number

Emergency telephone Only emergency call number: 112 or 999

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 The Safety Data Sheet is available upon request for professional users.

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	CAS no.: 7722-76-1		80 - 90 %

dihydrogenorthophosphate

EC no.: 231-764-5

Registration number: 01-
2119488166-29Mixture 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.
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4.3. Indication of any immediate medical attention and special treatment needed

Other Information	Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	The chemical is a fire extinguisher.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	None.
Hazardous combustion products	Can include, but are 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.
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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.
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6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter into sewer, water system or soil.
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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 compatibility Keep away from: Strong alkali.

7.3. Specific end use(s)

Specific use(s) See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Mica, total inhalable	CAS no.: 12001-26-2	8-hour TWA: 10 mg/m ³	2007
Talc, respirable dust	CAS no.: 14807-96-6 EC no.: 238-877-9	8-hour TWA: 1 mg/m ³	2007
Silica, amorphous	CAS no.: 7631-86-9 EC no.: 231-545-4	8-hour TWA: 6 mg/m ³ inhalable dust 8-hour TWA: 2,4 mg/m ³ respirable dust	2011

8.2. Exposure controls

Limitation of exposure on workplace Mechanical ventilation may be required. Personal protective equipment must be CE-marked and should be chosen in collaboration with the supplier of such equipment. The recommended protective equipment and the specified standards are only suggestions. The latest version of the specified standard shall be used.

Risk assessment of the relevant current work/operation (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.
Comments, Odour limit	Not relevant.
Comments, pH (as supplied)	Not determined.
Melting point/melting range	Value: > 100 °C
Comments, Boiling point / boiling range	Not applicable.
Comments, Flash point	Not applicable.
Comments, Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Comments, Explosion limit	Not applicable.
Comments, Vapour pressure	Not applicable.
Comments, Vapour density	Not applicable.
Comments, Specific gravity	Not determined.
Solubility in water	> 90% after several hours.
Comments, Partition coefficient: n-octanol / water	Not determined.
Comments, Spontaneous combustability	Not determined.
Comments, Decomposition temperature	Not determined.
Comments, Viscosity	Not applicable.
Explosive properties	Not explosiv.
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. Reactivity

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 (section 10.5) and inappropriate conditions (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.

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 irritate the eyes. May cause stinging and redness.
Ingestion	May irritate and cause malaise.
Irritation	Based on available data, the classification criteria are not met.
Corrosivity	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.
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12.2. Persistence and degradability

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

Bioaccumulative potential	No information required.
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12.4. Mobility in soil

Mobility	No information required.
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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 ammoniumphosphate which is a soil fertilizer. Do not allow to enter into sewer, water system or soil.
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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.
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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.
The Hazardous Waste (England and Wales) Regulations 2005 with amendments.
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.
Abbreviations and acronyms used	PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
Important data sources used to construct the safety data sheet	Suppliers Safety data sheet dated: 20/11/2008
Information which has been added, deleted or revised	Sections being revised since previous version: all (new format)
Checking quality of information	This SDS is quality controlled by National Institute of Technology in Norway, certified according to the Quality Management System requirements specified

	in ISO 9001:2008.
Version	2
Responsible for safety data sheet	'
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