

SAFETY DATA SHEET

HJ ABC Super-Pro Powder

1. Identification of the substance/preparation and of the company/undertaking

Date issued	01.06.2010
Product name	HJ ABC Super-Pro Powder
Synonyms	HJ ABC Super-Pro Powder for Housegard Fire extinguishers TEA Series
Product group	Powder for fire extinguishers.

Downstream user

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2. Hazards identification

Description of hazard	Health: By normal use the product is not regarded as hazardous to health. Fire and explosion: The product is not classified as flammable. Environment: The product is not classified as harmful to the environment.
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3. Composition/information on ingredients

Component name	Identification	Classification	Contents
Ammonium dihydrogenorthophosphate	CAS no.: 7722-76-1 EC no.: 231-764-5		80 - 90 %
Ammonium sulphate	CAS no.: 7783-20-2 EC no.: 231-984-1		0 - 5 %
Magnesium aluminium silicate (Fuller's earth)	CAS no.: 8031-18-3		5 - 7 %
Amorphous silica	CAS no.: 7631-86-9 EC no.: 231-545-4		≤ 3 %
Siloxanes and Silicones, di-Me	CAS no.: 63148-57-2		< 1 %
Column headings	CAS no. = Chemical Abstracts Service; EU (EINECS or ELINCS number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%		
HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Environmental hazard		
Component comments	See section 16 for explanation of Risk-phrases listed above.		

4. First-aid measures

General	If in doubt, get medical advice.
Inhalation	Fresh air and rest. Get medical attention if any discomfort continues.

Skin contact	Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Contact physician if irritation persists.
Ingestion	Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Try to induce vomiting. Get medical attention.

5. Fire-fighting measures

Suitable extinguishing media	The product is a fire extinguishant.
Personal protective equipment	Use fresh air equipment when the product is involved in fire. In case of evacuation, an approved protection mask should be used. See also sect. 8.

6. Accidental release measures

Personal precautions	Use protective equipment as referred to in section 8.
Environmental precautions	Do not allow to enter into sewer, water system or soil.
Methods for cleaning	Collect with vacuum cleaner or carefully sweep together and collect. Collect in suitable containers and deliver as hazardous waste according to section 13.

7. Handling and storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of dust.
Storage	Keep containers tightly closed and dry.

8. Exposure controls/personal protection

Exposure limit values

Component name	Identification	Value	Year
Amorphous silica, inhalable dust	CAS no.: 7631-86-9 EC no.: 231-545-4	8h: 6 mg/m ³	2007
Total inhalable dust		8h: 10 mg/m ³	2007
Respirable dust		8h: 4 mg/m ³	2007

Exposure controls

Occupational exposure controls	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment Do not eat, drink or smoke during work.
Respiratory protection	In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).
Hand protection	Use gloves from resistant material, eg.: Nitrile. Penetration time is not relevant, since the product is solid.
Eye protection	Wear dust resistant safety goggles where there is danger of eye contact.
Skin protection (other than of the hands)	No special precautions.
Other Information	The listed protective equipment is a suggestion. A risk assessment (of actual risk) may lead to other requirements. Eye wash facilities should be available when handling this product.

9. Physical and chemical properties

Physical state	Powder.
Odour	None.
Colour	Light blue.
Solubility in water	Ignorable.

10. Stability and reactivity

Conditions to avoid	Water, moisture.
Materials to avoid	Strong alkalis. Magnesium. Oxidizing agents.
Hazardous decomposition products	High temperatures generate: Ammonia or amines. Oxides of phosphorous (PO _x).

11. Toxicological information

Other information regarding health hazards

Inhalation	Inhalation of dust may cause irritation to the respiratory system and give symptoms of bronchitis.
Skin contact	Moderately irritating.
Eye contact	Moderately irritating. Dust may irritate eyes mechanically.
Ingestion	Ingestion of significant amounts may cause nausea and vomiting.
Chronic effects	May cause lung fibrosis including Silicosis and/or Pneumoconiosis.

12. Ecological information

Other ecological information

Ecotoxicity	The product is not classified as dangerous for the environment.
Mobility	The product has poor water-solubility.
Persistence and degradability	The product solely consists of inorganic compounds which are not biodegradable.
Other adverse effects / Remarks	Ammonium dihydrogenorthophosphate has a fertilizing effect on the soil.

13. Disposal considerations

EWC waste code	EWC: 06 10 99 wastes not otherwise specified
Specify the appropriate methods of disposal	Dispose of on site landfill area. The waste code (EWC-Code) is intended as a guide. The code must be chosen by the user, if the use differs from the one mentioned above.

14. Transport information

Other applicable information.	Not considered as dangerous goods under UN, IMO, ADR/RID or IATA/ICAO regulations.
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15. Regulatory information

S phrases	Safety Datasheet is available on request from professional users.
References (laws/regulations)	CHIP Regulations. Directive (EC) No 1907/2006 (REACH) Annex II: Safety data sheets. Occupational Exposure Limits. EH40/2007. The Hazardous Waste Regulations Dangerous Goods regulations
	The Safety Data Sheet is based on information provided by the producer.

16. Other information

Sources of key data used to compile the safety data sheet	Suppliers Safety data sheet dated: 12/2008
Information which has been added, deleted or revised	New Safety Data Sheet.
Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.
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.

Responsible for safety data sheet

GPBM Norge AS