



SAFETY DATA SHEET

BETZDEARBORN AP1120P

1 IDENTIFICATION OF PREPARATION AND OF COMPANY

1.1 Identification of the substance or preparation

Product : BETZDEARBORN AP1120P

1.2 Use of substance/preparation

Flocculation of inorganic solids

1.3 Company/undertaking identification

GE Betz / Polymerland France SNC
Allée du 1er Mai
Parc d'Activités de Paris-Est
F-77183 Croissy Beaubourg
Tel.: 01 60 37 59 60

1.4 Emergency telephone

- GE Betz (24h/24h) : 01 60 37 00 00

- Official advisory body
ORFILA : 01 45 42 59 59

2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description

Polyacrylamide Powder

Hazardous component(s)	EINECS/ELINCS #	CAS #	Conc.
None.			

3 HAZARDS IDENTIFICATION

Important hazards

- Health/physical hazard	Not considered hazardous to health. Spills are very slippery when wet.
- Symptoms of exposure	Prolonged or repeated exposure may cause transient irritation.
- Environmental hazards	The product is not classified as dangerous for the environment.

4 FIRST AID MEASURES

Skin contact	Wash with water.
Eye contact	Flush immediately with plenty of running water.
Inhalation	Remove to fresh air.
Ingestion	Rinse mouth with water.



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5 FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Carbon dioxide, dry chemicals, foam, water spray (fog).
Foam or water create a slippery condition.
Spread sand or grit.

Special protective equipment for fire fighters Self contained breathing apparatus. (CEN : EN 137)
Protective clothing (CEN : EN 469)
Protective gloves (CEN : EN 659)
Helmet (CEN : EN 443)

Special exposure hazards Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.
Ammonia, oxides of carbon and nitrogen evolved in fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions Protective clothing
Please refer also to section no. 8 'Exposure controls' for further information.

Environmental precautions Prevent from entering sewers or the immediate environment.
Accidental release of large quantities into the aquatic environment may harm aquatic organisms.

Methods for Cleaning Up

- on soil Aqueous solutions or powders that become wet produce extremely slippery conditions.
Contain and recover by physical means.
Flush area with water.
Wet area may be slippery.
Spread sand/grit.

7 HANDLING AND STORAGE

7.1 Handling Normal chemical handling.
Avoid producing or diffusing dust into the air.

7.2 Storage Keep dry.
Store away from oxidisers.
Store between 4 - 32 °C

Storage stability (days) 720

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

- VME/VLE (INRS) General dust (respirable) : Total dust 10 mg/m³ (8hr), respirable dust 5 mg/m³ (8hr)
(VME)

Exposure controls

- Recommended engineering controls Avoid producing or diffusing dust into the air.

- Respiratory protection In case of insufficient ventilation, use a breathing mask with filter type: P2
CEN : EN 140; EN 143; EN 149

- Hand protection Protective gloves (Plastic, impervious) (Protection against unintentional short-term contact)
CEN : EN 420



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Exposure controls

- Eye protection Safety goggles.
CEN : EN 166
- Skin protection Protective clothing if splashing or repeated contact with product is likely.
CEN : EN 340
- Environmental exposure controls Prevent from entering in public sewers or the immediate environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance	Granules
Colour	Off-white
Odour	Odourless.

9.2 Important health, safety and environmental info

pH in aqueous solution	7 (0,5%)
Flash point (Pensky/Martens) (°C)	None.
Density at 20°C (kg/m ³)	750 - 950
Solubility in water (% weight)	Limited by viscosity.
Vapour density (air=1)	<1
Evaporation rate (ether=1)	<1

10 STABILITY AND REACTIVITY

- 10.1 Conditions to avoid** Do not expose to moisture.
- 10.2 Materials to avoid** Avoid contact with strong oxidisers.
- 10.3 Hazardous decomposition products** Ammonia, oxides of carbon and nitrogen evolved in fire.

11 TOXICOLOGICAL INFORMATION

Mammalian Test Data

- Oral LD50, rat (mg/kg) >2000 (estimated value)
- Dermal LD50, rabbit (mg/kg) >2000 (estimated value)

Exposure hazard

- Inhalation Prolonged or repeated exposure may cause transient irritation.
- Skin contact Prolonged or repeated contact may cause transient irritation.
- Eye contact Prolonged or repeated contact may cause transient irritation.
- Ingestion May cause slight gastrointestinal irritation.



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12 ECOLOGICAL INFORMATION

Ecotoxicity

- Rainbow Trout (mg/l) Acute toxicity tests conducted using environmentally representative water gave the following result:
LC50 : 130
96 hour Acute Toxicity (OECD 203)
- Fathead minnow (mg/l) Acute toxicity tests conducted using environmentally representative water gave the following result:
LC50 : 670
96 hour Acute Toxicity (OECD 203)
- Zebra fish (Brachydanio rerio) (mg/l) Acute toxicity tests conducted using environmentally representative water gave the following result:
LC50 : >100
96 hour Acute Toxicity (OECD 203)
- Bluegill sunfish (mg/l) Acute toxicity tests conducted using environmentally representative water gave the following result:
LC50 : 180
96 hour Acute Toxicity
- Daphnia Magna (mg/l) Acute toxicity tests conducted using environmentally representative water gave the following result:
EC50 : >100
48 hour, Acute Immobilisation Test (OECD 202)
- Algae Inhibition (mg/l) Acute toxicity tests conducted using environmentally representative water gave the following result:
IC50 : >100
72 hour, Growth Inhibition Test (OECD 201)

Persistence and degradability

- COD (mgO₂/g) 400
- BOD 5 (mgO₂/g) 2
- BOD 28 (mgO₂/g) 24
- Closed Bottle Test (% Degradation in 28 days) 7
OECD 301D
- Zahn-Wellens Test (% Degradation in 28 days) 0
OECD 302B
- TOC (mg C/g) 240
- Biodegradation (%) Testing has shown product not to be readily biodegradable.

Bioaccumulative potential

- Bioaccumulation Not bioaccumulating

Summary

The product is not classified as dangerous for the environment.

13 DISPOSAL CONSIDERATIONS

Disposal of product

According to Controlled Waste Regulations.

EWC (European Waste Code) recommendation : 16 03 06

16 03 Wastes not otherwise specified in the list.

16 03 Off-specification batches and unused products.

16 03 06 Organic wastes

Depending on the origin and state of the waste, other EWC numbers may be applicable too.



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Disposal of packaging

According to Controlled Waste Regulations.

EWC (European Waste Code) recommendation : 15 01 02

15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified.

15 01 Packaging (including separately collected municipal packaging waste).

15 01 02 Plastic packaging.

Depending on the origin and state of the waste, other EWC numbers may be applicable too.

14 TRANSPORT INFORMATION

Substance id.no. (SIN) (UN No.) Not applicable.

Correct shipping name Not applicable.

Land transport

- RID/ADR classification Not classified under this legislation.

Maritime transport

- IMO-IMDG class Not classified under this legislation

Air transport

- ICAO/IATA classification Not classified under this legislation

15 REGULATORY INFORMATION

EEC labelling information

- Symbol(s) None.

- R Phrase(s) No Risk phrases assigned.

- S Phrase(s) No Safety phrases assigned.

- EINECS number All ingredients of this product are listed in EINECS or ELINCS, unless specifically exempted under the EEC Directive 67/548/EEC.

16 OTHER INFORMATION

Nature of revision Correction in Section: 9,12

Based on EC Directive 1999/45/EC
2001/118/EC
2001/58/EC

This information is based on our current knowledge and is intended to describe the product for the purpose of safety requirements only. It should not therefore be construed as guaranteeing any specific property of the product.