

SAFETY DATA SHEET

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

Product Name: FOAM CHARGE A+B
Datasheet Number: 619569 2. 0. 0
Use of the substance/preparation: Fire extinguishing powder
Product Part Number: 619569 (2GLN = 9LTR), 619577 (10GLN = 45LTR), 619585 (135LTR)
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Responsible Person: Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736
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 American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Foam Charge Inner (A): aluminium sulphate	>90	10043-01-3	233-135-0	37/38, 41	Xi
Foam Charge Outer (B): sodium bicarbonate	95	144-55-8	205-633-8	36/37/38	Xi

*See Section 16

3 Hazards identification

- Contact with eyes: Can cause damage to the eyes
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Prolonged exposure may cause abrasive irritation of the mucous membranes
- Ingestion: The ingestion of significant quantities may cause gastro-intestinal disturbances



Irritant

4 First aid measures

Contact with skin

- Wash affected area with plenty of soap and water

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
- When in doubt or symptoms persist, seek medical attention

Ingestion

- Never give anything by mouth to an unconscious person
- Give water or milk to drink
- When in doubt or symptoms persist, seek medical attention

4 First aid measures (....)

Inhalation

- Remove patient to fresh air
- Seek medical attention if irritation persists

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
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5 Fire-fighting measures

- Oxides of sulphur and carbon may be formed
 - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8
- Avoid raising dust
- Foam Charge Inner:
- Avoid contact with water

Environmental Precautions

- No special precautions are required for this product
- Do not flush spilt material into any public water system

Clean Up Actions

- Use vacuum cleaner to collect spilled material
- Wash spill site with water and detergent

Special Precautions

- Wear protective clothing as per section 8
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7 Handling and storage

Handling

- The usual precautions for handling chemicals should be observed
- Avoid contact with moist air
- Avoid contact with metals

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
-

8 Exposure controls and personal protection

Exposure Limits

- Foam Charge Inner (A):
- TLV (TWA) 2mg/m³ (aluminium sulphate)

- Foam Charge Outer (B):
- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m³ (8hr TWA) total inhalable dust; 5 mg/m³ (8hr TWA) total respirable dust

Exposure controls

- If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits

Occupational exposure controls

- Wear suitable dustmask e.g. to BS 2091
- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)



Goggles



Gloves



Suit



Respirator

9 Physical and chemical properties

- Inner Charge (A):
 - Appearance: powder, off-white, soluble in water
 - decomposes @770 °C
 - Density 1690 kg/m³
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9 Physical and chemical properties (....)

- Non-combustible solid
 - Odour: Odourless
 - pH1.9 - 2.4 at 50 % concentration
 - Water solubility 900 g/l

 - Outer Charge (B):
 - Appearance: powder, off-white, soluble in water
 - decomposes @50 °C
 - Density 1100 - 1600 kg/m³
 - Non-combustible solid
 - Odour: Odourless
 - pH7.5 - 8.5 at 5 % concentration
 - Water solubility 90 g/l
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10 Stability and reactivity

- This article is considered stable under normal conditions
 - Avoid contact with moist air
 - Incompatible with acids and alkalis
 - See Section 5
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11 Toxicological information

Toxicological information

- LD50 (oral, rat) 4220 mg/kg
- (ammoniumsulphate)
- LD50 (oral, rat) >5000 mg/kg
- (sodium bicarbonate)

Inhalation

- May cause irritation

Contact with skin

- In cases of severe exposure, redness and irritation may develop

Contact with eyes

- Inner Charge (A):
- Can cause damage to the eyes

- Outer Charge (B):
- Causes redness and irritation

Ingestion

- No effects for small dosage. Large dose effects not known
- The ingestion of significant quantities may cause gastro-intestinal disturbances

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

- Presents little or no hazard to the aquatic environment

Mobility

- Completely soluble in water

Persistence and Biodegradability

- Degrades by hydrolysis

Bioaccumulation Potential

- Bioaccumulation is insignificant

Other Adverse Effects

- May cause acute effects in the environment
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13 Disposal considerations

Classification

- EU Waste class: -
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13 Disposal considerations (....)

Disposal considerations

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation

14 Transport information

- Not classified as hazardous for transport

15 Regulatory information



Irritant

Risk Phrases

- Irritating to eyes, respiratory system and skin (R36/37/38)
- Risk of serious damage to eyes (R41)

Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- After contact with skin, wash immediately with plenty of water (S28)
- Wear suitable gloves and eye/face protection (S37/39)

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R36/37/38: Irritating to eyes, respiratory system and skin; R37/38: Irritating to respiratory system and skin; R41: Risk of serious damage to eyes.

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)