

**SECTION 1: Identification of the substance / mixture and company / undertaking****1.1 PRODUCT IDENTIFIER**

The safety data sheet applies to all ABC powder fire extinguisher in Dafo and for the following types of powder

Dafo ABC 40                      article no. 17-0111-10  
Dafo ABC 90                      article no. 17-0116-xx

Gloria Adex  
Gloria Glorex  
Gloria Glutex  
Gloria Glutex X

Furex 710  
Anaf Top ABC

Dafo ABC 30, 40 and 50%

Dafo WY30  
Dafo WY40  
Dafo WY50

Dafo Gel ABC  
Dafo Lin ABC  
Dafo Synt ABC

**1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

Fire-extinguishing powder intended for Dafo and Permalex fire extinguishers and extinguisher with customer-specific labeling and indications of current types of powder.

**1.3 DETAILS OF THE SUPPLIER OF SAFETY DATA SHEET**

**Supplier:**                      Dafo Brand AB  
**Address:**                      Box 683, 135 26 Tyresö  
**Telephone:**                    08-506 405 00  
**E-mail:**                        info@dafo.se  
**Web page:**                    www.dafo.se

**1.4 EMERGENCY TELEPHONE**

Poison Centre 112 (acute), 010-456 67 00 (office hours)

**SECTION 2: Hazards identification****2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE ACCORDING TO CLP (1272/2008 / EC)**

The product is not hazardous to health or environment nor flammable and contains no substances which, in mixture or concentration, which would require classification under current regulations.

**2.2 LABEL ELEMENTS**

The product is not hazardous to health or environment nor flammable and contains no substances which, where the form or concentration, causes labeling requirement according to current regulations.

**2.3 OTHER HAZARDS**

May be mildly irritating to eyes, skin and respiratory tract.

**SECTION 3: Composition / information about ingredients****3.1 MIXTURES**

Composition according to CLP (1272/2008 / EC)

chemical name	EG-nr	Reg. nr	CAS-nr	Halt/Konc.	Piktogram	H-fras(er)*	Kategori
Ammonium-dihydrogen phosphate	231-764-5	-	7722-76-1	20->90 %	-	-	-
Ammonium-sulphate	231-984-1	-	7783-20-2	36-70 %	-	-	-
Mica	-	-	12001-26-2	2-<5 %	-	-	-
polymethyl hydrogen siloxane	-	-	63148-57-2	<1 %	-	-	-

**SECTION 4: First aid measures****4.1 DESCRIPTION OF FIRST AID MEASURES GENERAL RECOMMENDATION**

Keep the person warm and calm. Never give anything by mouth to an unconscious person. In cases of doubt, or when symptoms persist, consult a doctor. Show this sheet to the doctor.

**INHALATION**

Fresh air and rest. Get medical attention if symptoms occur.

**CONTACT**

Remove contaminated clothing, shoes and jewelry and wash before reuse. Wash the skin with soap and water. Consult a doctor if symptoms persist.

**EYE**

Hold eyelids open and rinse with a lot of water or eye wash for several minutes. Remove contact lenses. Consult a doctor if symptoms persist.

**CONSUMPTION**

Rinse mouth with water. Give a couple of glasses of water or milk to drink. If the person vomits, place him in the recovery position. Consult a physician.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

May be mildly irritating to eyes, skin and respiratory tract

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

No special.

**SECTION 5: Firefighting measures****5.1 EXTINGUISHING MEDIA**

The product itself is a fire suppressant.

**5.2 SPECIAL HAZARDS FROM THE SUBSTANCE OR MIXTURE**

Non-flammable. Fire may produce harmful gases. Avoid release to the environment in large quantities.

**5.3 ADVICE FOR FIREFIGHTERS**

Move container from fire area if it can be done without risk.

**SECTION 6: Accidental Release Measures****6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Avoid contact with skin and eyes. Ensure good ventilation and avoid inhalation of powder / dust. Use personal protective equipment, see section 8.

**6.2 ENVIRONMENTAL PROTECTION**

Prevent major discharges into sewers or local environment / streams. Contact emergency services during major emissions.

**6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP**

Vacuum up large spills with industrial vacuum cleaner. The vacuum cleaner must be equipped with HEPA filter or alike. Small spills can be absorbed with paper. Flush contaminated area with water. The waste is placed in closed containers and disposed of as waste in accordance with section 13.

**6.4 REFERENCE TO OTHER SECTIONS**

See sections 8 and 13 for information regarding protection and waste management.

**SECTION 7: Handling and storage**

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**7.1 PRECAUTIONS FOR SAFE HANDLING**

Avoid contact with skin and eyes and use personal protective equipment, see section 8. Avoid dust formation and inhalation of powder / dust. Wash hands and skin after contact with the product.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store in a cool, dry place in tightly closed containers. Store in the original container. Keep away from food and animal feed. Keep the fire extinguisher is in the upright position.

**7.3 SPECIFIC END USE**

See EWC under section 13.

**SECTION 8: Exposure controls / personal protection**

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**8.1 Control parameters Exposure limits (AFS 2015: 7)**

No exposure limits.

DNEL

No data available.

PNEC

No data available.

**8.2 EXPOSURE**

Ensure good ventilation. Avoid dusty handling.

**RESPIRATORY PROTECTION**

Respiratory protection should be used when working in the area without adequate ventilation or dusty handling. Use respiratory equipment with particle filter P2. Contact your supplier of protective equipment for more suggestions on suitable respirator.

**PROTECTIVE GLOVES**

Protective gloves should be used for prolonged contact with the product. Contact your supplier of protective equipment for suggestions on appropriate glove. Recommended good glove material: Butyl rubber.

**FACE PROTECTION**

Protective eyewear should be used when the risk of eye contact.

**PROTECTIVE CLOTHING**

Wear protective clothing to minimize skin contact. Contact your supplier of protective equipment for more information.

**HYGIENE MEASURES**

No eating, drinking, smoking or tobacco use at the workplace. Remove all contaminated clothing. Wash hands and / or face before breaks and at the end of the shift. After the shift, the skin should be cleaned and lubricated.

**ENVIROMENTAL EXPOSURE**

Do not discharge the product in sewers or waterways.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	>100 °C
Smell	No data available
Odour threshold	No data available
pH	No data available
Melting point / freezing point	non-flammable
Initial boiling point and boiling range	No data available
Flash-point	No data available
evaporation rate	No data available
Flammability (solid, gas)	Ca 1,0-1,9
Upper / lower flammability or explosive limits	Partially soluble in water
Steam pressure	No data available
Vapour	No data available
relative density	Ca 190 °C
Solubility	No data available
Partition coefficient: n-octanol / water	No data available
ignition temperature	No data available
decomposition temperature	>100 °C
Viscosity	No data available
explosive properties	No data available
oxidising properties	No data available

**9.2 OTHER INFORMATION**

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**SECTION 10: Stability and reactivity****10.1 REACTIVITY**

Stable product under recommended storage and handling conditions.

**10.2 CHEMICAL STABILITY**

Stable product under recommended storage and handling conditions.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

Stable product under recommended storage and handling conditions.

**10.4 CONDITIONS TO AVOID**

Moisture.

**10.5 INCOMPATIBLE MATERIALS**

Strong acids and bases.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Hazardous gases may be formed under fire.

**SECTION 11: Toxicological information****11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

	ACUTE EFFECTS	CHRONIC EFFECTS
CONTACT	May be mildly irritating.	-
EYE CONTACT	May be mildly irritating.	-
INHALATION	May be mildly irritating.	-
CONSUMPTION	May be mildly irritating.	-

**ACUTE TOXICITY; Toxicological data on the product itself**

No available data.

**TOXICOLOGY DATA FOR THE COMPONENTS INCLUDED***ammonium dihydrogen phosphate*

LD50 Oral rat: 5750 mg / kg body weight (not acutely toxic)

Dermal LD50 rabbit :> 7940 mg / kg body weight (not acutely toxic)*Ammoniumsulphate*

LD50 Oral rat: 2840 mg / kg body weight (not acutely toxic)

**IRRITATION**

May be mildly irritating to eyes, skin and respiratory tract.

**CORROSIVITY**

No corrosive effect known.

**SENSITISATION**

No sensitizing effect known.

**REPETED DOSE TOXICITY**

No toxicity after repeated exposure known.

**CARCINOGENICITY**

No known carcinogenicity.

**MUTAGENICITY**

No mutagenicity known.

**REPRODUCTION**

No reproductive toxicity known.

**Interactive effects**

No interactive effects known.

**Absence of specific data**

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**SECTION 12: Ecological information****12.1 TOXICITY**

Not classified as dangerous for the environment.

**ECOTOXICITY**

No data for the product itself.

**ECOTOXICITY OF COMPONENTS**

Ammonium sulfate

Bioaccumulation: log Pow: -5.1 (bioaccumulation)

**12.2 PERSISTENCE AND DEGRADABILITY**

No data available for the product itself. See above for the ingredients.

**12.3 BIOACCUMULATIVE POTENTIAL**

Not expected to bioaccumulate.

**12.4 MOBILITY IN SOIL AND WATER**

Partially soluble in water.

**12.5 RESULTS OF PBT AND vPvB ASSESSMENT**

No data available.

**12.6 OTHER ADVERSE EFFECTS**

No other adverse effects known.

**SUMMARY**

Not classified as dangerous for the environment. Do not release larger quantities of the product in sewers or waterways.

**SECTION 13: Disposal**

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**13.1 WASTE FROM RESIDUES / UNUSED PRODUCTS**

According to SFS 2011: 927 unused product is classified as non-hazardous waste.

Suggested EWC codes:

16 05 09 - discarded chemicals other than those mentioned in 16 05 06, 16:05 07 or 16 05 08.

**WASTE**

Residual waste is not hazardous waste, but be disposed of in accordance with local regulations.

**WASTE TREATMENT**

Non-hazardous waste. Taken care of in accordance with national and local regulations.

**CONTAMINATED PACKAGING**

Contaminated packaging is not dangerous waste, but be disposed of in accordance with national and local regulations. Cleaned packaging taken for local packaging recycling.

**MORE INFORMATION**

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**SECTION 14: Transport Information**

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ABC powder is not classified as dangerous under ADR / RID / IMO / DGR.

Pressurized extinguisher filled with ABC powder classified as class 2.2 with UN1044. Marking, labeling and packaging meets the requirements of the IMDG Code and ADR for fire extinguishers which comes in original packaging.

Note - For road transport, the requirements of ADR Special Provision 594 which means that fire extinguishers manufactured in accordance with standard EN3 is not dangerous for transport by road.

**SECTION 15: Regulatory**

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**15.1 REGULATIONS / LEGISLATION FOR THE SUBSTANCE OR MIXTURE SAFETY, HEALTH AND ENVIRONMENT**

Safety Data Sheet and classification according to CLP (1272/2008 / EC and Regulation 453/2010 / EC, Annex I).

AFS 2015: 7 Occupational exposure limits.

SFS 2011: 927 Waste Ordinance.

**15.2 CHEMICAL SAFETY**

Chemical Safety investigation (KSU) is established for the product.

**SECTION 16: Other information**

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**H-PHRASES LISTED UNDER POINT 3 IN PLAIN TEXT**

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**KEY ABBREVIATIONS**

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**REFERENCE TO THE LITERATURE AND DATA SOURCES**

See chemical safety (KSU) for sources

**CHANGES IN AUDIT / REVISION**

Version 1 (2016-10-26): Basic Documents

Version 2 (2016-11-29): English version

**OTHER**

This information is a complement to other information. The user must decide whether the information is sufficient. Responsible for product safety is Dafo Brand AB. The safety data sheet has been prepared with the assistance of Amasis Konsult AB, Solna and translated to English by DAFO.