



# Material Safety Data Sheet

According to 91/155 EEC

Printing date 30.01.2006

Reviewed on 30.01.2006

## 1 Identification of substance:

· **Product details:**

· **Trade name:** Furex ABC-40

· **Article number:** 2115

· **Application of the substance / the preparation** fire extinguishing powder

· **Manufacturer/Supplier:**

CALDIC Deutschland Chemie B. V.  
Am Karlshof 10  
40231 Düsseldorf

Tel.: 0211/7346-0

· **Informing department:** Product safety department.

## 2 Composition/Data on components:

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with harmless additions.

· **Components:**

	Ammoniumdihydrogenphosphat	> 25.00%
CAS: 7783-20-2 EINECS: 231-984-1	Ammoniumsulfat	> 25.00%

## 3 Hazards identification

· **Hazard designation:** void

· **Information pertaining to particular dangers for man and environment** void

· **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

## 4 First aid measures

· **General information** No special measures required.

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact** The product is not skin irritating.

· **After eye contact** Rinse opened eye for several minutes under running water.

· **After swallowing** In case of persistent symptoms consult doctor.

## 5 Fire fighting measures

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

· **Protective equipment:** No special measures required.

## 6 Accidental release measures

· **Person-related safety precautions:** Not required.

· **Measures for environmental protection:** No special measures required.

· **Measures for cleaning/collecting:**

Dispose of the material collected according to regulations.

Send for recovery or disposal in suitable containers.

· **Additional information:** No dangerous materials are released.

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## 7 Handling and storage

- **Handling**
- **Information for safe handling:**
  - Keep containers tightly sealed.
  - Prevent formation of dust.
  - Provide suction extractors if dust is formed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
  - Use only containers specifically permitted for this substance/product.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store under dry conditions.

## 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
  - The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:** Breathing protection recommended.
- **Protection of hands:** Not required.
- **Material of gloves**
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Solid.
<b>Colour:</b>	According to product specification
<b>Smell:</b>	Characteristic

### · Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined

· **Flash point:** Not applicable

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density at 20°C** 1.274 g/cm<sup>3</sup>

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- **Solubility in / Miscibility with Water:** *Unsoluble*

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Dangerous reactions** *No dangerous reactions known*
- **Dangerous products of composition:** *No dangerous decomposition products known*

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *No irritant effect.*
- **Sensitization:** *No sensitizing effect known.*
- **Additional toxicological information:**  
*The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

## 12 Ecological information:

- **General notes:**  
*Water hazard class 1 (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.*

## 13 Disposal considerations

- **Product:**
- **Recommendation** *Contact waste processors for recycling information.*

- **European waste catalogue**

16 05 02	<i>other waste containing inorganic chemicals, e.g. lab chemicals not otherwise specified, fire extinguishing powders</i>
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- **Uncleaned packagings:**
- **Recommendation:**  
*Non contaminated packagings can be used for recycling.  
Disposal must be made according to official regulations.*

## 14 Transport information

*Non hazardous*

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** -

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**15 Regulatory information****· Designation according to EC guidelines:**

Observe the normal safety regulations when handling chemicals

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

**· National regulations**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**16 Other information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing data specification sheet:** Environment protection department.

· **Contact:** CALDIC Deutschland Chemie B.V.

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