



# Material Safety Data Sheet

According to 91/155 EEC

Printing date 25.04.2007

Reviewed on 25.04.2007

## 1 Identification of substance:

· **Product details:**

· **Trade name:** FUREX ABC 770

· **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** fire extinguishing powder

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

· **Components:**

|                                     |                            |          |
|-------------------------------------|----------------------------|----------|
| CAS: 7722-76-1<br>EINECS: 231-764-5 | Ammoniumdihydrogenphosphat | > 75.00% |
| CAS: 7783-20-2<br>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

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

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

The product is not skin irritating.

If skin irritation continues, consult a doctor.

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

· **After swallowing** Rinse out mouth and then drink plenty of water.

## 5 Fire fighting measures

· **Suitable extinguishing agents**

Product is an extinguishing agent.

Use fire fighting measures that suit the environment.

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

· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

· **Person-related safety precautions:**

Ensure adequate ventilation

Avoid causing dust.

Use breathing protection against the effects of fumes/dust/aerosol.

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- Do not breathe dust.
- **Measures for environmental protection:**
  - Do not allow to enter drainage system, surface or ground water.
  - Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
  - Collect mechanically.
  - Dispose of contaminated material as waste according to item 13.
  - Send for recovery or disposal in suitable containers.
- **Additional information:** No dangerous materials are released.

## 7 Handling and storage

- **Handling**
- **Information for safe handling:**
  - Keep containers tightly sealed.
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
  - Store under dry conditions.
  - Use only containers specifically permitted for this substance/product.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
  - Keep container tightly sealed.
  - 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.
  - Do not inhale dust / smoke / mist.
- **Breathing equipment:**
  - Use breathing protection in case of insufficient ventilation.
  - Use breathing protection only when dust is formed.
- **Protection of hands:** Protective gloves.
- **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:** Safety glasses
- **Body protection:** Protective work clothing.

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## 9 Physical and chemical properties:

### · General Information

**Form:** Solid.  
**Colour:** White  
**Smell:** Odourless

### · Change in condition

**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** Not determined

· **Flash point:** Not applicable

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

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

· **Density** Not determined

· **Solubility in / Miscibility with Water:** Insoluble

### · Solvent content:

**Organic solvents:** 0.0 %

· **Solids content:** 100.0 %

## 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Materials to be avoided:** Reacts with alkalis.

### · Dangerous reactions

Corrodes copper and brass  
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:** Irritant effect possible.

· **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.

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## 13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according the local authority regulations.

· **European waste catalogue**

|          |  |
|----------|--|
| 16 05 02 | other waste containing inorganic chemicals, e.g. lab chemicals not otherwise specified, fire extinguishing powders |
|----------|--|

· **Uncleaned packagings:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.  
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

## 14 Transport information

None Required.

· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

· **ADR/RID-GGVS/E Class:** -

· **Maritime transport IMDG/GGVSea:**

· **Marine pollutant:** No

## 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).

· **Safety phrases:**

22 Do not breathe dust.

· **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.