

# Anlagd brand i lageryutrymme på en fabrik för produktion av pesticider.

890216 MARS 1989\_01

Efter arbetstid antändes en lastpall med 2000 behållare av insektsbekämpningsmedel. Branden var anlagd. Brandlarmet gick och räddningstjänsten tillkallades. Ungefär 600 av behållarna (totalt 6 kg bekämpningsmedel) brann upp innan räddningstjänsten hunnit släcka branden. Befolkningen i närheten av anläggningen (upp till 55 m bort) varnades.

## Inblandade ämnen och mängder

	CAS Nr.	Mängd
sulfotep (aktivt ämne i insektsbekämpningsmedel)	3689-24-5	6 kg

## Skador:

Människor:	Inga.
Materiella:	Anläggningen skadades.
Miljö/ekologi:	Inga effekter rapporterade.
Infrastruktur:	Inga

Erfarenheter redovisade (Ja/Nej): Nej

## Report Profile

### Identification of Report:

country: FA ident key: 1989\_001\_01

reported under Seveso I directive as major accident reports: SHORT+FULL

### Date of Major Occurrence: Time of Major Occurrence

start: 1989-02-16 start:

finish: finish:

### Establishment:

name:

address:

industry: 2004 pesticides, pharmaceuticals, other fine chemicals

Pesticide (Filling Facilities for an Insects Disinfectant)

Seveso II status: not applicable: Yes art. 6 (notification): No

art. 7 (MAPP): No

art. 9 (safety report): No

### Date of Report:

short: full:

### Authority Reporting:

name:

address:

### Authority Contact:

**rep\_cont\_name:**

**rep\_cont\_phone:**

**rep\_cont\_fax:**

**Additional Comments:**

a) - not applicable -

b) - not applicable -

c) - not applicable -

d) - not applicable -

e) - not applicable -

## Short Report

**country:** FA **ident key:** 1989\_001\_01

**Accident Types:**

**release:** No **explosion:** No

**water contamination:** No **other:** No

**fire:** Yes

**description:**

ACCIDENT CASE HISTORY DESCRIPTION:... see Appendix Short Report / description of accident types

**Substance(s) Directly Involved:**

**toxic:** Yes **explosive:** Yes

**ecotoxic:** No **other:** No

**flammable:** Yes

**description:**

- Sulfotep [contained in Insects Disinfectants] (C.A.S. CODE: 3689-24-5, E.E.C. CODE: 015-027-00-3): amount

involved = 6 Kg in 600 containers with a whole capacity of 32 Kg.

**Immediate Sources of Accident:**

**storage:** Yes **transfer:** No

**process:** Yes **other:** No

**description:**

The accident occurred, outside the normal working period, in a pesticide industry and involved a pallet with

2,000 containers of the preparation (an insects disinfectants).

**Suspected Causes:**

**plant or equipment:** No **environmental:** Yes

**human:** Yes **other:** No

**description:**

CAUSES:... see Appendix Short Report / description of suspected causes

**Immediate Effects:**

**material loss:** Yes

**human deaths:** No

**human injuries:** No **community disruption:** Yes

**other:** No

**ecological harm:** No

**national heritage loss:** No

**description:**

MATERIAL LOSS:... see Appendix Short Report / description of immediate effects

### **Emergency Measures taken:**

**on-site systems:** Yes **decontamination:** Yes

**external services:** No **restoration:** Yes

**sheltering:** Yes **other:** No

**evacuation:** No

**description:**

INTERNAL TO THE ESTABLISHMENT:... see Appendix Short Report / description of emergency measures taken

### **Immediate Lessons Learned:**

**prevention:** No **other:** Yes

**mitigation:** No

**description:**

Not relevant since this facility had not been re-built.

## **A Occurrence Full Report**

**country:** FA **ident key:** 1989\_001\_01

### **1 Type of Accident**

**remarks:** Outside the normal working period, a pallet with 2,000 containers of the preparation (an insects disinfectant) caught fire because of arson (sabotage action). 600 containers were burnt before the fire brigade extinguished the fire (code 120... see Appendix Full Report A / type of accident

### **2 Dangerous Substances**

**remarks:** The total establishment and the potential directly involved inventories of sulfotep refer to the whole amount on the pallet which caught fire (20 Kg in 2,000 containers with a whole capacity of about 107 Kg). The actual directly involved in... see Appendix Full Report A / dangerous substances

### **3 Source of Accident**

**illustration:** - not applicable -

**remarks:** The accident occurred, outside the normal working period, in a pesticide industry (code 2004) and involved a pallet with 2,000 containers (code 4006) of the preparation (an insects disinfectants) in the filling facility (code 3401).

### **4 Meteorological Conditions**

**precipitation none: fog: rain: hail: snow:**

No No No No No

**wind speed (m/s):**

**direction (from):**

**stability (Pasquill):**

**ambient temperature (°C):**

**remarks:** - not applicable -

## 5 Causes of Major Occurrence

**main causes**

**technical / physical** 5206 environment: establishment safeguarding/security deficiency

- not applicable -

- not applicable -

- not applicable -

- not applicable -

**human / organizational** 5404 person: malicious intervention

- not applicable -

- not applicable -

- not applicable -

- not applicable -

**remarks:** The accident was caused by an arson [5404] (sabotage action) made possible by an inadequate safeguarding of the installation outside the normal working period (code 5206).

## 6 Discussion about the Occurrence

- not applicable -

**Type of Accident** country: FA ident key: 1989\_001\_01

**event:**

**major occurrence** 1201 fire: conflagration (a general engulfment fire)

**initiating event** 1201 fire: conflagration (a general engulfment fire)

**associated event** - not applicable -

## Dangerous substances

country: FA ident key: 1989\_001\_01

### a) total establishment inventory

**CAS number:** 3689-24-5 **identity:** Sulfotep

**name from Seveso I Directive:** - not applicable -

**name from Seveso II Directive:** - not applicable -

**category from Seveso II:** - not applicable -

**other hazards (1):** - not applicable -

**other hazards (2):** - not applicable -

**maximum quantity (tonnes):** 0,02

**use of substance as:** NORMAL FINISHED PRODUCT

**b) substance belongs to relevant inventory directly involved:** Yes

actual quantity: 0,006 potential quantity: 0,02

**e) substance belongs to relevant inventory indirectly involved:** No

actual quantity: -1 indir\_pot\_quant: -1

**Source of Accident - Situation** country: FA ident key: 1989\_001\_01

### **situation**

#### **industry**

**initiating event** 2004 pesticides, pharmaceuticals, other fine chemicals

**associated event** - not applicable -

#### **activity/unit**

**major occurrence** 3401 other: packaging (bagging, cylinder filling, drum filling, etc.)

**initiating event** 3401 other: packaging (bagging, cylinder filling, drum filling, etc.)

**associated event** - not applicable -

#### **component**

**major occurrence** 4006 free placement (unconfined pile, stack,etc; if bagged or in cylinders, more...F1!)

**initiating event** 4006 free placement (unconfined pile, stack,etc; if bagged or in cylinders, more...F1!)

**associated event** - not applicable -

## **B Consequences Full Report**

country: FA ident key: 1989\_001\_01

### **1 Area concerned**

#### **affected**

**extent of effects installation:** Yes

**establishment:** Yes

**off-site; local:** No

**off-site; regional:** No

**off-site; transboundary:** No

**illustration of effects** - not applicable -

**remarks** Even if the population within 55 metres of the establishment was warned, in the ... see Appendix

Full Report B / area concerned - remarks

### **2 People**

**establishment popul. emergency personnel off-site population**

**total at risk**

**immediate fatalities**

**subsequent fatalities**

**hospitalizing injuries**

**other serious injuries**

**health monitoring**

remarks No people were injured during the accident.

### 3 Ecological Harm

**pollution/contamination/damage of:**

- residential area (covered by toxic cloud) Suspected
- common wild flora/fauna (death or elimination) Suspected
- rare or protected flora/fauna (death or elimination) Suspected
- water catchment areas and supplies for consumption or recreation Suspected
- land (with known potential for long term ecological harm or preventing human access or activities) Suspected
- marine or fresh water habitat Suspected
- areas of high conservation value or given special protection Suspected

remarks In the Original Report there is no evidence of significant ecological harms.... see Appendix

Full Report B / ecological harm

### 4 National Heritage Loss

**effects on:**

- historical sites not applicable - historic monuments not applicable
- historic buildings not applicable - art treasures not applicable

remarks No data available.

### 5 Material Loss

**establishment losses off site losses**

**costs (direct costs to operator) (social costs)**

**in ECU DM ECU DM**

**material losses 200000**

**response, clean up, restoration**

remarks The fire caused damages to the building and the filling equipment. The cost of t... see Appendix

Full Report B / material loss

### 6 Disruption of Community Life

**establishment/plant evacuated disabled/unoccupiable destroyed**

- nearby residences/hotels No No No
- nearby factories/offices/small shops No No No
- schools, hospitals, institutions No No No
- other places of public assembly No No No

**interruption of utilities etc. no / yes duration**

- gas No
- electricity No
- water No
- sewage treatment works No
- telecommunications No

- **main roads** No

- **railways** No

- **waterways** No

- **air transport** No

**significant public concern** none local level national level

- **off site populations** No Yes No

- **media interest** No No No

- **political interest** No No No

**remarks** Even if the population within 55 metres of the establishment was warned, in the ... see Appendix

## 7 Discussion of Consequences

# C Response Full Report

**country:** FA **ident key:** 1989\_001\_01

## 1 Emergency Measures

**taken - on site** - not applicable - - not applicable -

- not applicable - - not applicable -

- not applicable - - not applicable -

- **off site** - not applicable - - not applicable -

- not applicable - - not applicable -

- not applicable - - not applicable -

**still - on site** - not applicable - - not applicable -

### required

- not applicable - - not applicable -

- not applicable - - not applicable -

- **off site** - not applicable - - not applicable -

- not applicable - - not applicable -

- not applicable - - not applicable -

### continuing contamination or danger

-**on site** not applicable

-**off site** not applicable

**remarks** - not applicable -

## 2 Seveso II Duties

### pre-accident evaluation

**Article item not due yet not done done/submitted evaluated**

**6 notification** No No No No

**7 policy (MAPP)** No No No No

**9 safety report** No No No No

**9, 10, 11 update** No No No No

11 internal plan No No No No

11 external plan No No No No

13 informing public No No No No

9, 12 siting policy No No No No

post-accident evaluation

Seveso II duty was actual were actual compared with actual

contingency consequences consequences, the

addressed? addressed? predicted extent was?

Article item

7 policy (MAPP) not applicable not applicable not applicable

9 current safety report not applicable not applicable not applicable

11 internal plan not applicable not applicable not applicable

11 external plan not applicable not applicable not applicable

13 informing public not applicable not applicable not applicable

9, 12 siting policy not applicable not applicable not applicable

evaluation of safety organisation

organisational element element existed did element relate to actual circumstances of

yes / no no / partly / yes adequate?

- written policy objectives No

- specified management No

structure

- specified responsibilities No

- specified working procedures No

- specified procedures for No

assessment/auditing of

management system

- specified procedures for No

review and update of

management policy

- specified general training No

procedures

- specified emergency No

training procedures

evaluation of ecological impact control

organisational element element existed did element relate to actual circumstances of

yes / no no / partly / yes adequate?

- ecological status review No

before incident

- potential ecological No

consequences assessment



- **ecological impact review** No

**after incident**

- **ecological restoration** No

**procedures**

- **subsequent review of** No

**restoration success**

**remarks** - not applicable -

### **3 Official Action Taken**

**legal action**

- not applicable -

**other official action**

- not applicable -

### **4 Lessons Learned**

**measures to prevent recurrence**

Not relevant since this facili... see Appendix Full Report C / lesson learned - prevent

**measures to mitigate consequences:**

Not relevant since this facili... see Appendix Full Report C / lesson learned - mitigate

**useful references:**

- not applicable -

### **5 Discussion about Response**

- not applicable -

## **Appendices for the FA / 1989\_001\_01 report**

### **Appendix Short Report / description of accident types:**

ACCIDENT CASE HISTORY DESCRIPTION:

Outside the normal working period, a pallet with 2,000 containers of the preparation (an insects disinfectant) caught fire because of arson (sabotage action). 600 containers were burnt before the fire brigade extinguish the fire. The population within 55 metres of the establishment was warned. Fire fighting water and contaminated soil were collected and disposed.

### **Appendix Short Report / description of suspected causes:**

CAUSES:

The accident was caused by an arson (sabotage action) made possible by an inadequate safeguarding of the installation outside the normal working period.

### **Appendix Short Report / description of immediate effects:**

MATERIAL LOSS:

The fire caused damages to the building and the filling equipment. The cost of the damages has been estimated in about 200,000 Deutch Marcs (about 0.1 MECU).

COMMUNITY DISRUPTION:

The population within 55 metres of the establishment was warned.

### **Appendix Short Report / description of emergency measures taken:**

INTERNAL TO THE ESTABLISHMENT:

The fire alarm was sounded and the fire brigade intervened. Fire fighting water and contaminated soil were collected and disposed.

EXTERNAL TO THE ESTABLISHMENT:

The population within 55 metres of the establishment was warned.

### **Appendix Full Report A / type of accident:**

Outside the normal working period, a pallet with 2,000 containers of the preparation (an insects disinfectant) caught fire because of arson (sabotage action). 600 containers were burnt before the fire brigade extinguished the fire (code 1201).

**Appendix Full Report A / dangerous substances:**

The total establishment and the potential directly involved inventories of sulfotep refer to the whole amount on the pallet which caught fire (20 Kg in 2,000 containers with a whole capacity of about 107 Kg). The actual directly involved inventory of sulfotep refers to the 600 containers (with a whole capacity of 32 Kg) involved in the fire.

**Appendix Full Report B / area concerned - remarks:**

Even if the population within 55 metres of the establishment was warned, in the Original Report there is no evidence of significant effects outside the establishment.

**Appendix Full Report B / ecological harm:**

In the Original Report there is no evidence of significant ecological harms.

**Appendix Full Report B / material loss:**

The fire caused damages to the building and the filling equipment. The cost of the damages has been estimated in about 200,000 Deutch Marcs (about 0.1 MECU).

**Appendix Full Report B / disruption of community life:**

Even if the population within 55 metres of the establishment was warned, in the Original Report there is no evidence of significant effects outside the establishment.

**Appendix Full Report C / lesson learned - prevent:**

Not relevant since this facility had not been re-built.

**Appendix Full Report C / lesson learned - mitigate:**

Not relevant since this facility had not been re-built.