

Brand på en fabrik för produktion av pesticider.

910407 MARS 1991_24

Olycckan inträffade på en fabrik i den farmaceutiska industrin för produktion av pesticider. Plastbehållare, packningsmaterial och ett antal ospecificerade substanser brann på ett lagerområde under en helg. De lokal myndigheterna beordrade ett produktionsstopp till dess att mer information fanns tillgänglig.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
plastbehållare och packningsmaterial		okänt
andra substanser		okänt

Skador:

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

Erfarenheter redovisade (Ja/Nej): Ja

Mycket kortfattat anges förebyggande åtgärder.

Report Profile

Identification of Report:

country: FA ident key: 1991_024_01

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

Date of Major Occurrence: Time of Major Occurrence

start: 1991-04-07 start: 17:00:00

finish: finish:

Establishment:

name:

address:

industry: 2004 pesticides, pharmaceuticals, other fine chemicals

Pharmaceutical (Process plant)

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:** 1991_024_01

Accident Types:

release: No **explosion:** No

water contamination: No **other:** No

fire: Yes

description:

The accident (a fire) occurred in a pharmaceutical industry for the pesticide production. The fire involved the U3 plant, partly used for the formulation of liquid pesticides and partly as a warehouse. The materials that burned were plastic... see Appendix Short Report / description of accident types

Substance(s) Directly Involved:

toxic: No **explosive:** No

ecotoxic: No **other:** Yes

flammable: Yes

description:

- Plastic containers and packaging material: amount involved = not known.... see Appendix Short Report / description of substances involved

Immediate Sources of Accident:

storage: Yes **transfer:** No

process: Yes **other:** No

description:

The accident occurred in a pharmaceutical industry for the pesticide production. The fire involved the U3 plant, partly used for the formulation of liquid pesticides and partly as a warehouse.

Suspected Causes:

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

human: No **other:** Yes

description:

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

Immediate Effects:

material loss: Yes

human deaths: No

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

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: No **other:** No

evacuation: No

description:

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

Immediate Lessons Learned:

prevention: No **other:** No

mitigation: Yes

description:

MEASURES TO ALLEVIATE THE EFFECTS OF THE ACCIDENT:... see Appendix Short Report / description of immediate lessons learned

A Occurrence Full Report

country: FA **ident key:** 1991_024_01

1 Type of Accident

remarks: A fire (code 1201) occurred in a pharmaceutical industry for the pesticide production. The fire involved the U3 plant, partly used for the formulation of liquid pesticides and partly as a warehouse. The materials that burned were plastic co... see Appendix Full Report A / type of accident

2 Dangerous Substances

remarks: No data are available about the amount of plastic containers and packaging materials involved in the accident. Also, no data are available about the type and the amount of the others unspecified substances (that, in any case, were not conta... see Appendix Full Report A / dangerous substances

3 Source of Accident

illustration: - not applicable -

remarks: The accident occurred in a pharmaceutical industry for the pesticide production (code 2004). The fire involved the U3 plant, partly used for the formulation of liquid pesticides and partly as a warehouse. The component

involved were plasti... see Appendix Full Report A / source of accident -

remarks

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 5501 other: not identified

- not applicable -

- not applicable -

- not applicable -

- not applicable -

human / organizational - not applicable -

- not applicable -

- not applicable -

- not applicable -

- not applicable -

remarks: When the Original Report was prepared, the causes of the accident (it occurred during a holiday and therefore no activity was in operation) were not fully identified (code 5501).

6 Discussion about the Occurrence

- not applicable -

Type of Accident country: FA ident key: 1991_024_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: 1991_024_01

a) total establishment inventory

CAS number: identity: Plastic Containers

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): -1

use of substance as: NORMAL FINISHED PRODUCT

b) substance belongs to relevant inventory directly involved: Yes

actual quantity: -1 potential quantity: -1

c) substance belongs to relevant inventory indirectly involved: No

actual quantity: -1 indir_pot_quant: -1

a) total establishment inventory

CAS number: identity: Packaging Materials

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): -1

use of substance as: NORMAL FINISHED PRODUCT

b) substance belongs to relevant inventory directly involved: Yes

actual quantity: -1 potential quantity: -1

c) substance belongs to relevant inventory indirectly involved: No

actual quantity: -1 indir_pot_quant: -1

a) total establishment inventory

CAS number: identity: Other Unspecified Materials

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): -1

use of substance as: NORMAL FINISHED PRODUCT

b) substance belongs to relevant inventory directly involved: Yes

actual quantity: -1 potential quantity: -1

c) substance belongs to relevant inventory indirectly involved: No

actual quantity: -1 indir_pot_quant: -1

Source of Accident - Situation country: FA ident key: 1991_024_01

situation

industry

initiating event 2004 pesticides, pharmaceuticals, other fine chemicals

associated event - not applicable -

activity/unit

major occurrence 3201 storage: process-associated (stockholding, etc. on-site of manufacture)

initiating event 3201 storage: process-associated (stockholding, etc. on-site of manufacture)

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:** 1991_024_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 In the Original Report there is no evidence of significant effects outside the e... 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 by the fire.

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 Suspected preventing human access or activities)**

- **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 ECU

material losses

response, clean up, restoration

remarks No data are available about the cost of the damages to the U3 plant and to the s... 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** Yes No No

- **media interest** No No No

- **political interest** No No No

remarks In the Original Report there is no evidence of significant effects outside the e... see Appendix

7 Discussion of Consequences

C Response Full Report

country: FA **ident key:** 1991_024_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 applicable -

measures to mitigate consequences:

The Mayor of the Community of ... see Appendix Full Report C / lesson learned - mitigate

useful references:

- not applicable -

5 Discussion about Response

- not applicable -

Appendices for the FA / 1991_024_01 report

Appendix Short Report / description of accident types:

The accident (a fire) occurred in a pharmaceutical industry for the pesticide production. The fire involved the U3 plant, partly used for the formulation of liquid pesticides and partly as a warehouse. The materials that burned were plastic containers and packaging materials together with unspecified substances that, in any case, were not containing significant concentrations of toxic products. The accident occurred during a holiday and therefore no activity was in operation.

Appendix Short Report / description of substances involved:

- Plastic containers and packaging material: amount involved = not known.

- Others Unspecified Substances (that, in any case, were not containing significant concentrations of toxic products): amount involved = not known.

Appendix Short Report / description of suspected causes:

CAUSES:

When the Original Report was prepared the causes of the accident (it occurred during a holiday and therefore no activity was in operation) were not fully identified.

Appendix Short Report / description of immediate effects:

MATERIAL LOSS:

No data are available about the cost of the damages to the U3 plant and to the structures of the unit caused by the fire. Also, no data are available about the cost of the burned materials.

Appendix Short Report / description of emergency measures taken:

INTERNAL TO THE ESTABLISHMENT:

The Mayor of the Community of S.Agostino ordered the suspension of the production activity as well as the collection of the residual combustion products, waiting for more detailed information on their disposal.

Appendix Short Report / description of immediate lessons learned:

MEASURES TO ALLEVIATE THE EFFECTS OF THE ACCIDENT:

The Mayor of the Community of S.Agostino ordered the suspension of the activity until the operation of the electrical installation and of the fire fighting system could be verified and the operation of waste-water disposal facilities could be restored.

Appendix Full Report A / type of accident:

A fire (code 1201) occurred in a pharmaceutical industry for the pesticide production. The fire involved the U3 plant, partly used for the formulation of liquid pesticides and partly as a warehouse. The materials that burned were plastic containers and packaging materials together with unspecified substances that, in any case, were not containing significant concentrations of toxic products.

Appendix Full Report A / dangerous substances:

No data are available about the amount of plastic containers and packaging materials involved in the accident. Also, no data are available about the type and the amount of the others unspecified substances (that, in any case, were not containing significant concentrations of toxic products) involved in the accident.

Appendix Full Report A / source of accident - remarks:

The accident occurred in a pharmaceutical industry for the pesticide production (code 2004). The fire involved the U3 plant, partly used for the formulation of liquid pesticides and partly as a warehouse. The component involved were plastic containers and packaging materials in the warehouse area (code 3201) together with unspecified substances that, in any case, were not containing significant concentrations of toxic products (code 4006).

Appendix Full Report B / area concerned - remarks:

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:

No data are available about the cost of the damages to the U3 plant and to the structures of the unit caused by the fire. Also, no data are available about the cost of the burned materials.

Appendix Full Report B / disruption of community life:

In the Original Report there is no evidence of significant effects outside the establishment.

Appendix Full Report C / lesson learned - mitigate:

The Mayor of the Community of S.Agostino ordered the suspension of the activity until the operation of the electrical installation and of the fire fighting system could be verified and the operation of waste-water disposal facilities could be restored.