

Explosion och brand i en fyrverkerifabrik.

930916 MARS 1993_14

mycket kort

På en fyrverkerifabrik inträffade en explosion och en brand utbröt.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
sprängämnen		

Skador:

Människor: 2 personer fick allvarliga brännskador och fick sjukhusvård.

Materiella: Produktionsanläggningen totalförstördes.

Miljö/ekologi: Inga effekter rapporterade.

Infrastruktur: Inga.

Erfarenheter redovisade (Ja/Nej): nej

Report Profile

Identification of Report:

country: FA ident key: 1993_014_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 1993-09-16 start: 14:00:00

finish: finish:

Establishment:

name:

address:

industry: - not applicable -

Plant for production of pyrotechnic liquids

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: 1993_014_01

Accident Types:

release: No explosion: Yes

water contamination: No other: No

fire: Yes

description:

In the plant for production of artificial fires (luminous stars) anomalies occurred see Appendix Short

Report / description of accident types

Substance(s) Directly Involved:

toxic: No explosive: Yes

ecotoxic: No other: No

flammable: Yes

description:

explosive materials

Immediate Sources of Accident:

storage: No transfer: No

process: Yes other: No

description:

- not applicable -

Suspected Causes:

plant or equipment: Yes environmental: No

human: No other: No

description:

- not applicable -

Immediate Effects:

material loss: Yes

human deaths: No

human injuries: Yes community disruption: No

other: No

ecological harm: No

national heritage loss: No

description:

- 2 men received serious burns and were hospitalized.

- complete destruction of the production unit.

Emergency Measures taken:

on-site systems: Yes **decontamination:** No

external services: No **restoration:** No

sheltering: No **other:** No

evacuation: No

description:

- not applicable -

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

Increasing and improving of the automatisisation and more clear definition of the the suitable technology.

Changement of the aggregates.

Appendices for the FA / 1993_014_01 report

Appendix Short Report / description of accident types:

In the plant for production of artificial fires (luminous stars) anomalies occurred .

In fact in the station in which the material was pressed out, in different tools the process did not work correctly. The system indicated failure and was stopped. After cleaning of the intaking jacket and not application of sliding agent the malfunction disappeared. Some times later an explosion occurred which involved two workers with serious burns. The plant for production of luminous stars was completely destroyed by the explosion.