

# Explosion och brand på en kemikaliefabrik.

961212

En pilotanläggning för syntes inträffade en explosion följt av en brand. Orsaken till olyckan är okänd. Fönstren i byggnaden krossades av explosionen. Anläggningens brandbekämpningssystem fick kontroll över förloppet. Släckningsvattnet samlades upp för behandling.

## Inblandade ämnen och mängder

	CAS Nr.	Mängd
siloxane (löst i toluene)	63148-62-9	
toluene	108-88-3	totalt ca 700 kg

## Skador:

Människor: En person omkom, och tre skadades.

Materiella: Inga skador.

Miljö/ekologi: Inga effekter rapporterade.

Infrastruktur: Inga effekter.

## Erfarenheter redovisade (Ja/Nej): Nej

Utredning pågår

## Report Profile

### Identification of Report:

country: FA ident key: 1800\_279\_01

reported under Seveso I directive as major accident reports: SHORT

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

start: 12/12/1996 start: 16:30:00

finish: 12/12/1996 finish:

### Establishment:

name:

address:

industry: 2001 general chemicals manufacture

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: 1800\_279\_01

**Accident Types:**

release: No explosion: Yes

water contamination: No other: No

fire: Yes

**description:**

Explosion followed by a fire in a synthesis pilot installation (workshop). One worker is killed and 3 workers are injured.

**Substance(s) Directly Involved:**

toxic: No explosive: No

ecotoxic: No other: No

flammable: Yes

**description:**

siloxane (silicone CAS NR 63148-62-9) in toluene solution. Total amount involved is about 700 kg.

**Immediate Sources of Accident:**

storage: No transfer: No

process: Yes other: No

**description:**

no information is given

**Suspected Causes:**

plant or equipment: No environmental: No

human: No other: Yes

**description:**

The cause of the accident is unknown

**Immediate Effects:**

material loss: Yes

human deaths: Yes

human injuries: Yes community disruption: No

other: No

ecological harm: No

**national heritage loss:** No

**description:**

4 workers were injured, one of them died the day after. The windows of the workshop were broken, but there was no important material loss. Most of the fire extinguishing water is recovered.

**Emergency Measures taken:**

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

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

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

**evacuation:** No

**description:**

on-site fire fighting systems.

**Immediate Lessons Learned:**

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

**mitigation:** No

**description:**

An administrative and a judicial investigation are under way. As a measure to prevent recurrence, the other pilot units on the same site have been inspected before being restarted.