

Explosion och brand i en kemikaliedepå till följd av ett blixtnedslag.

940627 MARS 1994_07

Olyckan inträffade sommardag på en anläggning där kolväten och mineraloljor lagras. Under en åskstorm träffade blixten en tank med 354 ton metanol. Ex explosion inträffade och den kvarvarande metanolen fattade eld. Räddningstjänsten larmades. Vid ankomst upprättades vägspärrar och branden i tanken släcktes. Släckningsvattnet togs om hand och fördes över till en tom tank för behandling.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
metanol	67-56-1	8000 kg

Skador:

Människor:	Inga.
Materiella:	Tanken förstördes vid explosionen.
Miljö/ekologi:	Inga effekter rapporterade.
Infrastruktur:	Inga.

Erfarenheter redovisade (Ja/Nej): Nej

Report Profile

Identification of Report:

country: FA ident key: 1994_007_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 1994-06-27 start:

finish: finish:

Establishment:

name:

address:

industry: - not applicable -

Plant for storage in vessels of mineral oil products like Methanol or other substances

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:** 1994_007_01

Accident Types:

release: No **explosion:** Yes

water contamination: No **other:** No

fire: Yes

description:

During a summer thunder-storm in a storage tank, which was filled with 354.000 kg of Methanole, an explosion occurred due to the fall of a lightning stroke.

Substance(s) Directly Involved:

toxic: Yes **explosive:** Yes

ecotoxic: No **other:** No

flammable: Yes

description:

Methanole ca. 8000 kg

Immediate Sources of Accident:

storage: Yes **transfer:** No

process: No **other:** No

description:

During a summer thunder-storm in a storage tank, which was filled with 354.000 kg of Methanole, an explosion occurred due to the fall of a lightning stroke.

Suspected Causes:

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

human: No **other:** No

description:

Thunder-stroke

Immediate Effects:

material loss: Yes

human deaths: No

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

other: No

ecological harm: No

national heritage loss: No

description:

No deaths or injuries. Material loss of 1 Mio DM

Emergency Measures taken:

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

external services: No **restoration:** No

sheltering: No **other:** No

evacuation: No

description:

The firemen were called, they fought the fire; a street barricade was erected. Due to the event the the storage tank was destroyed causing minor damages to the plant. The Methanole still in the tank was in fire it was useless and was nulli... see Appendix Short Report / description of emergency measures taken

Immediate Lessons Learned:

prevention: No **other:** No

mitigation: No

description:

- not applicable -

Appendices for the FA / 1994_007_01 report

Appendix Short Report / description of emergency measures taken:

The firemen were called, they fought the fire; a street barricade was erected. Due to the event the the storage tank was destroyed causing minor damages to the plant. The Methanole still in the tank was in fire it was useless and was nullified. The quenching water loded whith the Methanol (91.000 kg;2,88 g/kg Methanole) were collected in a tank field and then treated in the clarification plant.

Of the Methanol quantity existing before the fire 8000 kg were lost. The corresponding material damage is about 1 million of DM. No injuries to people.