

Kemikelieutsläpp från en skrubber i livsmedelsindustrin

970113

Då en tank med trimetylamin rann över kom den utspillda trimetylaminen att slå sönder en gasskrubber som innehöll väteklorid. Att tanken rann över berodde på ett operatörsmisslag. En säkerhetszon upprättades och personal evakuerades. Vattengardiner användes för att begränsa spridning av gasmolnet, och för att späda ut det.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
väteklorid	7647-01-0	okänt
trimetylamin	75-50-3	okänt
trimetylamine oxyhydrochloride	7651-88-9	okänt

Skador:

Människor:	68 personer drabbades av irriterade ögon och andningsvägar, varav tre fick stanna på sjukhus.
Materiella:	Inga skador.
Miljö/ekologi:	Viss ekologisk skada noterad, men inte specificerad.
Infrastruktur:	Inga effekter.

Erfarenheter redovisade (Ja/Nej): Ja

Mkt kortfattat anges förebyggande åtgärder

Report Profile

Identification of Report:

country: FA ident key: 1800_066_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 13/01/1997 start: 20:03:00

finish: 13/01/1997 finish: 23:00:00

Establishment:

name:

address:

industry: 2019 food and drink

food additives

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

art. 7 (MAPP): Yes

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_066_01**Accident Types:****release:** Yes **explosion:** No**water contamination:** No **other:** No**fire:** No**description:**

rupture of a gas washing tower due to the overflow of a storage tank, release of various substances forming a visible cloud

Substance(s) Directly Involved:**toxic:** Yes **explosive:** No**ecotoxic:** Yes **other:** No**flammable:** No**description:**

chlorhydric acid CAS 7647-01-0

trimethylamine CAS 75-50-3

trimethylamine oxy hydrochloride 7651-88-9

Immediate Sources of Accident:**storage:** Yes **transfer:** No**process:** Yes **other:** No**description:**

due to an overflow of a trimethylamine storage tank the trimethylamine reached the gas washing tower causing the rupture of the basis of the tower and its downfall

Suspected Causes:**plant or equipment:** No **environmental:** No**human:** Yes **other:** No**description:**

human error, omission to close the filling valve of the tank - a routine operation

Immediate Effects:

material loss: No

human deaths: No

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

other: No

ecological harm: Yes

national heritage loss: No

description:

68 persons affected with burning eyes and irritation of the respiratory ways (only three persons were hospitalised): relevant social alarm in the population of a nearby large town

Emergency Measures taken:

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

external services: Yes **restoration:** No

sheltering: No **other:** No

evacuation: Yes

description:

- dilution of the cloud with water (abatement)... see Appendix Short Report / description of emergency measures taken

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

the information about the chemical composition of the products involved was delayed causing confusion: The prompt notification of all relevant information by the industry involved in an accident is essential.

Appendices for the FA / 1800_066_01 report

Appendix Short Report / description of emergency measures taken:

- dilution of the cloud with water (abatement)
- establishment of a safety zone (access control)
- evacuation
- medical treatment of affected persons