

Explosion på en fabrik för produktion av pesticider och farmaceutika.

960902

En tank som innehöll natriumtetrahydroborat exploderade under drift. Företagets interna brandkår etablerade en säkerhetszon kring reaktortanken. Ingen brand uppstod.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
natriumtetrahydroborat	16940-66-2	

Skador:

Människor:	En anställd skadades då han slungades bort av tryckvågen från explosionen.
Materiella:	Bortsett från omedelbara skador på processapparaturen inga omfattande materiella skador.
Miljö/ekologi:	Inga effekter rapporterade.
Infrastruktur:	Inga effekter.

Erfarenheter redovisade (Ja/Nej): Ja

Mycket kortfattat anges förebyggande åtgärder

Report Profile

Identification of Report:

country: FA ident key: 1800_024_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 02/09/1996 start: 14:30:00

finish: 02/09/1996 finish:

Establishment:

name:

address:

industry: 2004 pesticides, pharmaceuticals, other fine chemicals

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_024_01

Accident Types:

release: No explosion: Yes

water contamination: No other: No

fire: No

description:

interest of the accident in which a hydride is involved

Substance(s) Directly Involved:

toxic: Yes explosive: Yes

ecotoxic: No other: No

flammable: Yes

description:

sodium hydroborate (sodium tetrahydroborate) CAS 16940-66-2, sodium hydroxide

Immediate Sources of Accident:

storage: No transfer: No

process: Yes other: No

description:

transfer of a sodium hydroborate solution in a chemical reactor

Suspected Causes:

plant or equipment: No environmental: No

human: No other: Yes

description:

under investigation

Immediate Effects:

material loss: No

human deaths: No

human injuries: Yes community disruption: No

other: No

ecological harm: No

national heritage loss: No

description:

explosion of the tank containing the sodium hydroborate solution, 1 operator (worker) thrown by the pressure wave is injured. There is no fire consequent to the explosion. Apart from hydrogen there is any release of gas or of toxic or hazar... see Appendix Short Report / description of immediate effects

Emergency Measures taken:

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

external services: No **restoration:** No

sheltering: No **other:** Yes

evacuation: No

description:

the internal fire-fighting service establishes a safety zone and begins with the first investigation (see attached accident report)

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

study on the stability and violent decomposition of sodium hydroborate, sodium hydroborate won't be used in the establishment for time being until new safety measures have not been put into place.

Appendices for the FA / 1800_024_01 report

Appendix Short Report / description of immediate effects:

explosion of the tank containing the sodium hydroborate solution, 1 operator (worker) thrown by the pressure wave is injured. There is no fire consequent to the explosion. Apart from hydrogen there is any release of gas or of toxic or hazardous products (substances).