

Utsläpp från en fabrik i finkemikalieindustri.

960127

Mycket kortfattad

Utsläppet uppstod då ett filterlock till en vakuumtork öppnades. Öppnandet skedde under drift i tron att filtret var blockerat. Då torkningen skedde under ett tryck av kvävgas som överskred atmosfärtryck pressades delar av innehållet ut. Ungefär 1000 kg av isoproturon släpptes ut i omgivningen och spreds över ett område på 30 ha. Arbetet på anläggningen avbröts tillfälligt. Larmsystemen fungerade tillfredsställande. Tre anställda fördes till sjukhus.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
isoproturon (3-(4-isopropylfenyl)-1, 1- dimetylurinämne)		1000 kg

Skador:

Människor:	Tre anställda fördes till sjukhus.
Materiella:	Inga skador.
Miljö/ekologi:	Vatten och jordlager förorenades i ett 30 ha stort område
Infrastruktur:	Inga effekter.

Erfarenheter redovisade (Ja/Nej): Ja

Kortfattat anges förebyggande åtgärder

Report Profile

Identification of Report:

country: FA ident key: 1800_106_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 27/01/1996 start: 06:47:00

finish: 27/01/1996 finish:

Establishment:

name:

address:

industry: 2004 pesticides, pharmaceuticals, other fine chemicals

Dimethylurea unit, active principles isolating, drying and packaging

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_106_01

Accident Types:

release: Yes **explosion:** No

water contamination: No **other:** No

fire: No

description:

Release of about 1000 kg isoproturon [3- (4-isopropylphenyl)-1,1-dimethylurea] from a vacuum dryer during drying operation.

Substance(s) Directly Involved:

toxic: Yes **explosive:** No

ecotoxic: Yes **other:** No

flammable: No

description:

About 1000 kg isoproturon [3- (4-isopropylphenyl)-1,1-dimethylurea].

Immediate Sources of Accident:

storage: No **transfer:** No

process: Yes **other:** No

description:

The filter lid of a vacuum dryer was opened during drying operation under the assumption that it was obstructed. Due to the fact that the dryer was under higher nitrogen / steam pressure about 1000 kg of isoproturon were released.

Suspected Causes:

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

human: Yes **other:** No

description:

opening of the filter lid.

Immediate Effects:

material loss: Yes

human deaths: No

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

other: No

ecological harm: Yes

national heritage loss: No

description:

Water and soil pollution and plant damages in an area of about 30 ha around the establishment. Damages to roofs and pollution of cars etc. on-site and off-site. Three employees were hospitalised.

Emergency Measures taken:

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

external services: No **restoration:** No

sheltering: No **other:** No

evacuation: No

description:

The alarm systems functioned well. The fire-fighters did not use water. The work was interrupted temporarily in the establishment.

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: Yes

description:

Presentation to the competent authorities of detailed descriptions of new processes to be introduced for the control of the compliance with current safety regulations.... see Appendix Short Report / description of immediate lessons learned

Appendices for the FA / 1800_106_01 report

Appendix Short Report / description of immediate lessons learned:

Presentation to the competent authorities of detailed descriptions of new processes to be introduced for the control of the compliance with current safety regulations.

- Supplementary control of all technical installations and working instructions by an external expert.
- Supplementary emergency training
- Recalculation of the thresholds for explosive substances at workplaces
- Control at the workplaces of possible electronic loads
- Working under 'safe conditions' during the processing of explosive substances
- At the end of each working phase immediate enclosure of the explosive substance in a closed container.