Accident Pro	ofile				
Title					
Fire of aeroso	ol cans packed in car	tons on pallets in a store			
Date/Time of	of Major Occurre	ence			
Start Date	13-07-1999	End Date 13-07-1	999		
Event Type		Reported under		Seveso II St	atus
Other Event		EU Seveso II Directiv	e	- not known / r	not applicable -
Industrial Ad	ctivity				
	neering, manufacturii	ng and assembly			
Reasons fo	r Reporting				
Substances	involved: greater that	an 5% of quantity in Column 3 of Anr	ex I		
✓ Injury to per	rsons: >= 1 fatalities,	>= 6 hospitalizing injuries, evacuation	n, shelter-in-place,	, utility disruption and damaç	ge to real estate
Immediate o	damage to the enviro	nment (according to Annex VI)			
✓ Damage to	property: on-site >2M	1 €, off-site > 0.5M €			
Cross-borde	er damage: transboui	ndary accidents			
Interesting f	or lessons learned.				
Accident Re	port				
Accident de	escription				
area which	h prepares this	cartons on pallets in a store type of product. The store making the firefighting mo ion.	s in the lower	basement of the fac	tory. The aerosol cans
Accident in	volving				
Domino ef	fects	Natech events	Transbo	oundary effects	Contractors
Site and inst	tallation				
Site descrip	otion				
not given					
nov grven					
Installation/	Unit description	1			

The installation concerned is a store of prepared aerosol containers. The presence of material returned by clients should also be noted.

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Substances

Substances Involved

The depot contains 33 tonnes of products in aerosol containers. LPG, which is used as propellant in these containers, represents 85% of their contents. The remainder consists of hydrofluoroalkanes.

Substances Classification

08. EXTREMELY FLAMMABLE - note 3(c)
00. NAMED SUBSTANCE

Substances detail

Substance	CAS Number	Quantities (t.)	
Substance	CAS Number	Involved	Potential
hydrofluoroalkanes	CAS Number		
LPG	68476-85-7		

Causes

Two principal causes led to the accident: the immediate cause was a fire (seen by the driver) which started under a fork-lift truck when it passed through the store. This was caused by an aerosol can which had fallen earlier and was crushed, with subsequent ignition of the gas. Moreover, the aerosol cans returned by customers had leaks. The fork-lift truck was not a priori of an appropriate type for this area.

Consequences

One employee and 4 firemen were injured, the firemen while firefighting. Fire-fighting water was contained within the site's retention system, so there was no release to the environment.

Human

On site	Quantity	Quantity/Effect
Injuries	1.00	One employee and 4 firemen were injured
Off site	Quantity	Quantity/Effect

Cost

On site	Cost in Euro	Quantity/Effect
material losses		

Emergency Response

The detection and alarm system worked. About 140 firemen fought the fire for 4 hours. About 100 people were evacuated, since the factory was in an urban area.

Emergency Response	Quantity	Quantity/Effect
On-site systems		fire runoff control

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Off-site external services		fire brigade
Sheltering		
Evacuation		
Other		
Remedial Measure	Quantity	Quantity/Effect
Remedial Measure Decontamination	Quantity	Quantity/Effect
	Quantity	Quantity/Effect

Lessons Learned

Theme of the Lessons Learned

Other

Lessons Learned

We do not have details of the measures taken on the installation. We will send further information.

Event Profile

Publication Date

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