

**Advice Leaflet 53**  
**Manufacture & Storage of Explosives Regulations 2005**  
**Fireworks In Shops: Retailers' Risk Assessment Checklist**

Danger	Action	Your actions and notes (record here any specific actions you need to take)	Action taken (√)	Comments
<b>How could a fire start?</b>				
Cigarettes and other naked lights.	<ul style="list-style-type: none"> <li>■ Restrict access to store area where fireworks are stored.</li> <li>■ Ensure fireworks are not left unattended in the warehouse.</li> <li>■ Prohibit smoking anywhere near the items.</li> <li>■ Keep in a locked cabinet or display cabinet.</li> </ul>	(eg 'ensure all staff are aware of no smoking areas and check <i>no smoking</i> signs are displayed in prominent locations)		Taking positive action to prevent a fire is the most important of all the control measures you must take.
Sparks from electrical sockets and fittings.	<ul style="list-style-type: none"> <li>■ Disconnect from electrical supply if fitted in display cabinets or use dummy fireworks.</li> <li>■ In storerooms, remove electrical equipment (other than light fittings and fire detection equipment) and blank off plugs.</li> </ul>			
Heat causing boxes to catch fire.	<ul style="list-style-type: none"> <li>■ Remove space heaters or position them well away from the fireworks.</li> <li>■ In storerooms, leave a clear space between the light fitting(s) and the fireworks.</li> </ul>			
Fire involving other goods spreads to the fireworks.	<ul style="list-style-type: none"> <li>■ Keep in a dedicated storeroom if possible, otherwise in a fire-resistant store cupboard or cabinet or container.</li> <li>■ Keep well away from flammable or combustible articles.</li> </ul>			Flammable substances include white spirit and solvent-based paints. Video tapes and tights/stockings are also highly flammable. Combustible articles include cardboard, paper and wood (eg pallets).
Arson or criminal action.	<ul style="list-style-type: none"> <li>■ Keep in a secure goods yard.</li> <li>■ Keep under supervision.</li> <li>■ Review location of the store and security arrangements.</li> </ul>			A fire might be started deliberately or by thieves using cutting equipment to gain access to the store.

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<b>How could a fire spread and get worse?</b>				
Heat from burning fireworks causes nearby flammable or combustible articles to catch fire.	<ul style="list-style-type: none"> <li>■ Remove the flammable/ combustible articles if possible.</li> <li>■ Locate fireworks well away from flammable substances to reduce risk of fire spreading.</li> <li>■ If fireworks are stored in a container outside the building ensure it is located well away from parked vehicles, pallets etc.</li> </ul>			
<b>Danger</b>	<b>Action</b>	<b>Your actions and notes (record here any specific actions you need to take)</b>	<b>Action taken (✓)</b>	<b>Comments</b>
Burning fireworks or fragments are thrown into flammable or combustible articles.	<ul style="list-style-type: none"> <li>■ Keep the fireworks in their transport boxes.</li> <li>■ Close transport boxes after use. ■ Keep fireworks in a separate storeroom. If this is not possible, keep in fire-resistant cupboards or cabinets.</li> <li>■ If fireworks are stocked in a warehouse, ensure there is a barrier between fireworks and flammable items (eg a wall, or a wire screen) or enclose items in a wire cage or keep them in an ISO transport container or other suitable construction that will contain the fragment throw.</li> <li>■ Control the amount of fireworks in the shop area.</li> <li>■ Ensure the premises are suitable for the quantity of fireworks (and keep the stocks of fireworks within the limits permitted by your registration or licence).</li> </ul>			Anyone storing large quantities of flammable substances should seek specialist advice.

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Fireworks are contaminated by other chemicals or by water and become unstable.	<ul style="list-style-type: none"> <li>■ Keep away from caustic substances such as drain cleaners, paint strippers and wood preservatives.</li> <li>■ Keep away from fertilisers and products containing peroxides (eg fibreglass hardeners).</li> <li>■ Keep in a dry place.</li> </ul>			
<b>How could people be harmed if there was a fire?</b>				
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Staff or customers are unable to escape because of heat and/or smoke.	<ul style="list-style-type: none"> <li>■ Keep all fireworks in a display or storage cabinet.</li> <li>■ Ensure the fireworks are located so that escape routes are not affected by smoke and flames in the event of a fire.</li> <li>■ Ensure escape routes are not blocked by other goods.</li> <li>■ Ensure all staff are clear what action must be taken if there is a fire.</li> </ul>			<ul style="list-style-type: none"> <li>■ Priority must be for staff and customers to evacuate the shop.</li> <li>■ Fires should only be fought if people are in danger.</li> <li>■ You have a legal duty under the Regulatory Reform (Fire Safety) Order 2005 to ensure that any person present in your shop can escape to safety should there be an outbreak of fire.</li> </ul>
Fire spreads to neighbouring or adjoining residential premises.	<ul style="list-style-type: none"> <li>■ Locate containers away from neighbouring houses.</li> <li>■ If there are flats or residential accommodation in the same building, ensure that there is a separate escape route for residents.</li> <li>■ Install fire detection and alarm system.</li> <li>■ Ensure that suitable fire doors are fitted etc.</li> </ul>			

This checklist and its associated guidance "Storing and Selling Fireworks" are available online at <http://www.hse.gov.uk/explosives/fireworks/index.htm>