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[raw translation]

OCCUPATIONAL SAFETY RISK ASSESSMENT

Chapter 3

Investigation of Activities with Hazardous Substances

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INVESTIGATION OF ACTIVITIES WITH HAZARDOUS SUBSTANCES

Number of employees concerned (persons)		I :: 4	II :: 0	III :: 0	IV :: 0-50
Hazard / risk identifier	Hazard / risk	Does not apply to	Appropriate	Inadequate	Risk description, estimation
I. Examination of documentation:					
1.	List of hazardous substances to be used.		x		
2.	Safety data sheets are available for operating personnel in warehouses and at places of use.		x		
3.	The safety data sheets are in Hungarian.		x		
5.	The education and information of employees is adequate about the storage, use and protective measures of hazardous substances.		x		
6.	The medical examination of employees' job suitability is regulated.		x		
7.	Employees participated / are participating in the investigations.		x		

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8.	Work instructions on the storage and use of hazardous substances, technological description.		x		
II. Packing, storage:					
1.	The packaging prevents the material from spilling, leaking or leaking.		x		
2.	A package with a resealable closure prevents the contents from escaping even after sealing several times.		x		
3.	During storage, the hazardous substance or hazardous preparation does not endanger safety, health or physical integrity, or pollute or damage the environment.		x		
4.	Compliance with the ban on placing hazardous substances in food containers.		x		
5.	Compliance with the prohibition on placing food in dangerous containers.		x		
6.	Incompatible materials are stored separately.		x		
7.	The storage of hazardous (flammable) materials is suitable for fire protection.		x		

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8.	Storage is designed to prevent unauthorized access to hazardous materials (eg, closed storage room, tank).		x		
9.	Empty and full containers (barrel, box, bottle, bag, bottle,...) are stored separately.		x		
10.	The storage is the right size for clear storage.		x		
11.	The storage room is well ventilated.	x			
12.	The lighting in the storage room is adequate (explosion-proof if necessary).	x			
13.	A rescue craft with adequate capacity has been set up to store liquids.	x			
14.	Emptying and cleaning the lifeguard is simple and easy.	x			
15.	The container can be opened quickly in case of danger.	x			
16.	The flammable liquid is stored in a small package (max. 20 liters / container) on a metal (glass) shelf or in a cupboard.		x		
17.	The floor of the warehouse does not absorb the liquid.	x			
18.	A threshold has been set up in the storage room to prevent liquid from leaking out.	x			

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19.	Above ground tanks are located in a protective pit or rescue.	x			
20.	The above-ground tanks were equipped with mantle cooling.	x			
21.	Underground tanks have a double-walled design.	x			
22.	The underground tanks were equipped with a leak detector.	x			
	The storage of gas cylinders meets the following requirements:				
23.	- The gas cylinders are stored closed (with a protective cap).	x			
24.	- Gas cylinders are secured against tipping over.	x			
25.	- At the storage location, the different bottles (by filling, full and empty) were separated.	x			
26.	- Gas cylinders stored outdoors are protected from solar radiation (shielding is provided).	x			
27.	- All ignition sources are excluded within a radius of 5 meters.	x			
28.	- The temperature of the bottle does not exceed 50oC in summer.	x			

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29.	- In case of storage of gas cylinders in the room, adequate ventilation is provided (at least 1% of the floor area of the room is the ventilation surface).	x			
30.	- The warehouse, where the gas cylinder is stored, is separated from the other non-gas storage rooms by a fire barrier and a slab.	x			
III. Labeling:					
1.	The labels are on all packaging.		x		
2.	The information on the material on the packaging is clear, clearly visible and legible.		x		
3.	The inscriptions on the packaging can also be found in Hungarian.		x		
4.	The hazard symbol (s) appear on the packaging.		x		
5.	The packaging does not contain misleading inscriptions or markings.		x		
6.	In the case of repackaging, all necessary markings have been re-affixed to the container.	x			
ARC. Use of hazardous substances:					
1.	The use of less hazardous substances suitable for the same purpose.		x		

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2.	During use, hazardous substances do not endanger the occupants and other persons or the environment.		x		
3.	Only the amount of hazardous material used in one shift is stored at the point of use.	x			
4.	The safe handling of unused hazardous materials (neutralization, take-back, regeneration, neutralization, etc.) is regulated.	x			
5.	Concentrations of hazardous substances in the workplace air do not exceed ARH, ÁK, CK depending on the substances.			x	Concentrations of hazardous substances in the workplace air exceed ÁK, CK values.
6.	The biological exposure indicators for hazardous substances and preparations do not exceed the limit values.		x		
7.	Minimize the number of workers exposed to hazardous substances.		x		
8.	Minimize the intensity and duration of exposure.		x		
9.	The workplaces provided efficient ventilation and extraction.			x	See Working Environment VI / 1,2,3. points

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10.	Appropriate personal protective equipment (eg respirator, protective gloves, etc.) is provided.		x		
11.	Workers wear the required protective equipment.		x		
12.	Workers document the receipt of personal protective equipment.		x		
13.	Structural materials (equipment, pipelines, etc.) are compatible with hazardous process materials.		x		
14.	The movement and transport of hazardous materials within the site does not endanger health, physical integrity and the environment.		x		
V. Hazardous waste:					
1.	The collection, treatment and storage of hazardous waste (hazardous materials and contaminated packaging) is regulated.		x		
2.	Hazardous waste is collected and treated selectively.		x		
3.	Labels can be found at the hazardous waste storage location.		x		
4.	Further use of hazardous waste for other purposes is prohibited.		x		
5.	Hazardous waste does not endanger health, physical integrity and the environment.		x		

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VI. Emergencies:					
1.	An action plan has been drawn up to deal with accidents, incidents and hazards involving hazardous substances in the workplace.			x	No contingency plan has been prepared in case of an accident or emergency.
2.	The action plan mentioned in the previous point is known and educated by the employees.			x	See point above.
3.	Appropriate warning and other statutory labels have been placed in the storage and processing areas (warning labels for hazardous substances, fire hazards, explosion hazards, etc.).		x		
4.	Remediation materials and tools are available.		x		
5.	A fire extinguisher was installed in the storage room and tank.		x		
6.	In order to soak up the killing material, soaking sand or special soaking material, tools and equipment were organized.		x		