

# SKAPPO2

## Deal with substances hazardous to health in swimming pools

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### Overview

This standard is about dealing with hazardous substances which are potentially dangerous such as pool chemicals and cleaning agents used in plant pool operations. It includes the transportation, handling, use, storage and disposal of substances hazardous to health.

This standard is intended for any person who, in the course of their day to day work, uses stores and moves a substance classified as a substance that is hazardous to health.

The main outcomes of this standard are:

1. transport and handle substances hazardous to health
2. safe use of substances hazardous to health
3. store and dispose of substances hazardous to health

# SKAPPO2

## Deal with substances hazardous to health in swimming pools

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### Performance Criteria

You must be able to:

#### Transport and handle substances hazardous to health

1. identify hazardous substances and assess the risks involved in its transportation and handling
2. use **personal protective equipment** suitable for the substance you are transporting, handling and using
3. use safe and secure transport and handling equipment
4. deal with any spillages and contamination to yourself or others following organisational emergency procedures, manufacturers' instructions and legal requirements
5. report any incidents and problems following organisational procedures

#### Safe use of substances hazardous to health

6. avoid direct contact with substances by the use of mechanical aids, tools and equipment
7. use incompatible substances and chemicals in a way that ensures they do not come into contact with each other
8. add chemicals to water when diluting
9. check that signage, labelling and notices connected to the **pool plant environment** comply with legal and organisational requirements

#### Store and dispose of substances hazardous to health

10. store liquid chemicals in a separate bunded area
11. use separate, labelled storage areas for chemicals and substances
12. return uncontaminated chemicals to the correct storage area immediately after use
13. store chemicals in their specified containers and store incompatible substances separately
14. dispose of empty or spent containers following organisational requirements

## SKAPPO2

### Deal with substances hazardous to health in swimming pools

---

15. identify any waste and substances past their expiry date and follow the legal requirements for their disposal
16. identify and report any **problems** in the storage area
17. deal with any **problems** according to your own level of responsibility following organisational emergency procedures and legal requirements
18. implement procedures for removal of empty containers
19. update storage records following organisational requirements
20. secure the storage area when unattended

# SKAPPO2

## Deal with substances hazardous to health in swimming pools

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### Knowledge and Understanding

You need to know and understand

#### Transport and handle substances hazardous to health

1. your responsibilities for health and safety and the Control of Substances Hazardous to Health as defined by any specific legislation covering your job role
2. how to identify different types of hazardous substances
3. the written, legal agreements your organisation has with suppliers for bulk deliveries and each other's responsibilities including access and unloading
4. the particular **hazards** involved in transporting and handling hazardous substances
5. the types of **protective clothing and other safety equipment** required for dealing with different hazardous substances
6. how to deal with spillages and contamination of hazardous substances
7. the types of problems that need to be reported to a responsible person
8. how to complete incident reports

#### Safe use of substances hazardous to health

9. the mechanical aids, tools and equipment used to avoid direct contact with hazardous substances
10. the result of incompatible substances and chemicals coming into contact with each other and the preventive measures required
11. how to secure hazardous substances when in use
12. the reason why chemicals are added to water when diluting
13. the key requirements when dosing chemicals
14. the signage required for the use of hazardous substances in the pool plant environment

#### Store and dispose of substances hazardous to health

15. the separate storage requirements for liquid and dry chemicals
16. why it is important to store hazardous substances immediately after use

## SKAPPO2

### Deal with substances hazardous to health in swimming pools

---

17. the correct **storage areas and storage conditions** required for hazardous substances
18. the correct storage requirements for dry chemicals
19. how to identify and store hazardous chemicals
20. why empty containers should not be used for any other purpose and be disposed of in accordance with organisational procedures.
21. why substances past their expiry date must be identified and the methods required to dispose of them
22. problems in the storage area and how to deal with them effectively
23. what may happen if problems in the storage area are not dealt with immediately
24. the storage and maintenance of records required for hazardous substances
25. the reasons for securing unattended storage areas

# SKAPPO2

## Deal with substances hazardous to health in swimming pools

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### Scope/range related to Performance Criteria

#### Protective clothing and other safety equipment

1. coverall
2. eye protection
3. hand protection
4. foot wear
5. respiratory equipment

#### Pool plant environment

1. storage areas
2. pool area
3. pool plant room
4. disposal areas
5. delivery areas

#### Problems

1. defective containers
2. defective storage areas
3. unsafe working practices
4. human error
5. chemical spillages

# SKAPPO2

## Deal with substances hazardous to health in swimming pools

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### Scope/range related to Knowledge and Understanding

#### Hazards

1. toxic gases
2. fires
3. explosions
4. inhalation
5. ingestion

#### Protective clothing and safety equipment

1. coverall
2. eye protection
3. hand protection
4. foot wear
5. ear defenders
6. respiratory equipment
7. fresh water supplier
8. eye baths/wash

#### Storage areas and storage conditions

1. siting
2. fire risk
3. spillage
4. ventilation
5. temperature

# SKAPPO2

## Deal with substances hazardous to health in swimming pools

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### Additional Information

#### Values

The following key values underpin the delivery of services in the sport and leisure sector

1. a willingness to learn
2. a willingness to take responsibility
3. a flexible working attitude
4. a team worker
5. a positive attitude
6. personal and professional ethics

#### Behaviours

The following behaviours underpin the delivery of services in the sport and leisure sector:

1. meeting the organisation's standards of behaviour and appearance
2. maintaining effective, hygienic and safe working methods
3. adhering to workplace, suppliers' and manufacturers' instructions for the safe use of equipment, materials and products

#### Skills

The following key skills underpin the delivery of services in the sport and leisure sector

1. the ability to follow instructions and self-manage
2. the ability to use verbal and non-verbal communication
3. the ability to read and understand written instructions



# SKAPPO2

## Deal with substances hazardous to health in swimming pools

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### **Glossary**

#### **Contamination**

Hazardous substances getting on to clothing and or parts of the body and or substances getting into the environment

#### **Hazardous substances**

Any substances identified through the Control of Substances Hazardous to Health (COSHH) regulations

#### **Legal requirements**

These include the Health and Safety at Work Act and the Control of Substances Hazardous to Health regulations for example Personal Protective Equipment

#### **Responsible person**

The member of staff responsible for hazardous substances in the facility

## SKAPPO2

### Deal with substances hazardous to health in swimming pools

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