



COSHH Assessment Form

Read the notes on completion before attempting to fill in this form. If insufficient space is available under any section, use a separate piece of paper and attach it to the form.

File ref: 0013

Date: 21/09/2020

Department:
BioEscalator
Innovation Building

Persons involved: Users – Lab Manager & Lab Technician & Tenants & Licensee's

Location of work:
BioE TC Lab 10.26

Description of procedure: Aquaguard-2 protective agent used in water baths to prevent the growth of algae and bacteria for optimally hygienic working conditions.

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
Aquaguard-2 consist of Bronopol Synonyms: Bronopol, 2-Bromo-2-nitro-1,3-propanediol	2 ml for each litre of water (0.02%)	Two – four weeks	H302; Harmful if swallowed H312; Harmful in contact with skin H315; Causes skin irritation H318; Causes serious eye damage H335; May cause respiratory irritation H400; Very toxic to aquatic life	Skin, eyes, ingestion, inhalation.

Could a less hazardous substance (or form of the substance) be used instead? No
Justify not using it: No alternative chemical can be used.

What measures have you taken to control risk?

Engineering controls:

Not needed. To be diluted according to instructions.

Store in tightly closed containers frozen at a -20°C environment. Keep containers tightly closed and upright when not in use. Protect against physical damage.

Keep/store only in original container.

Do not allow contact with eyes or skin. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices.

PPE:

Wear lab coat (suitable protective clothing), safety glasses with side protection (DIN EN 166) and gloves.

Management measures:

Technician /Tenants/Licensees must be trained when handling aquaguard-2.



Checks on control measures:

Visual inspection by laboratory manager or lab technician.

Is health surveillance required? No

Training requirements: Yes

Emergency procedures:

Skin contact: Itching or irritation of the skin is unlikely. In case of skin irritation, immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Wash contaminated clothing before reuse.

Inhalation: Irritation by inhalation is unlikely. In case of Nasal irritation, headache, dizziness, nausea, vomiting, heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability: Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

Eye contact: Eye irritation is unlikely. In case of eye irritation, flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

Ingestion: Ingestion of mixture is unlikely. Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.

Waste disposal:

Soak up with inert, non-combustible material. Clean contaminated objects and areas thoroughly. Collect in closed and suitable containers for disposal. Clear spills immediately. Spilled products must never be returned to the original container for recycling.

Environmental precautions:

When discarded or disposed of, is not a hazardous waste according to Local regulations. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with Local regulations.

Name and position of assessor: Khwaja Islam & Lab Manager

Signature: