



Mossakowski Medical Research Institute, at the Polish Academy of Sciences

INSTRUCTIONS

FOR SAFE HANDLING OF BIOCIDAL PREPARATIONS

The employer is required to comply with the regulations on the use and handling of biocidal preparations used in our facility.

According to the regulations, a biocidal product is considered to be an active substance or a preparation containing one or more active substances, in the forms in which they are supplied to the user, intended to destroy, deter, render harmless, prevent the action of, or otherwise control harmful organisms (that is, organisms whose presence is undesirable to humans or which have a harmful effect on humans) by chemical or biological action.

Each package should contain, among other things, the following information specifying:

- 1) the **identity** of all active substances and their concentrations given in metric units;
- 2) the **number of the permit**, temporary permit or registration;
- 3) **product form**;
- 4) **scope of application**;
- 5) **recommendations for use, dosages** or quantities expressed in metric units for each application range;
- 6) **detailed information on direct and indirect side effects of use and first aid instructions in case of poisoning or sensitization**;
- 7) **the inscription “read the attached information leaflet before use”**, in cases where the size of the package prevents the inclusion of all the required data;
- 8) **recommendations for safe handling of product waste and packaging**, in accordance with the regulations on packaging and packaging waste;
- 9) **batch number and expiration date** taking into account normal storage conditions of the product;
- 10) **the period from application of the product to obtaining a biocidal effect**, the intervals between subsequent applications, the period between application of the product and the use of the treated facility or the entry of humans or animals to the area where the product was applied, specific recommendations on the ways and means used to remove contamination with the product, if applicable;
- 11) **the necessary ventilation time of the premises treated with the product**, details on the proper cleaning of equipment used for the treatment, detailed precautions to be taken during the treatment, storage and transportation.

In cases justified by the safe use of the product, the labeling should additionally contain the following information:

- 1) **The type of users**, if the product is exclusively intended for them;
- 2) **Information on any specific environmental risks**, especially with regard to non-target organisms, and the need to avoid soil and water contamination;

3) In the case of microbiological and chemical biocidal products, the information required by separate regulations on occupational safety and health.

REMEMBER !
EVERY PACKAGE SHOULD HAVE A LABEL (mandatory !)
AND AN INFORMATION LEAFLET

(additionally, if not all the informational material could not fit on the label).

Any activity with the use of biocidal preparations may be carried out only if the employee:

1. Has general initial **training** (and later periodic training) and occupational health and safety instruction.
2. Has been trained in the proper performance of activities related to the use of biocidal preparations used (applied) by our plant (during the aforementioned training).
3. Has been **informed** by the employer or an authorized employee (supervisor) of all the properties and risks associated with the use of specific biocidal preparations.
4. **Has been familiarized** with the occupational **risks** of their job, taking into account the performance of work with biocidal preparations in the work environment.
5. **Is in good health** confirmed by a medical certificate issued by an authorized physician.

**It is not allowed to undertake work,
if there is any doubt about its safe performance.**

It is necessary to proceed to the assigned work rested, sober, properly dressed and equipped with certified personal protective equipment (gloves, mask, goggles) in accordance with the recommendations of the manufacturer of the biocide in question and OSH regulations.

PREVENTION

1. To use biocides safely, always:

- ✓ read labels and accompanying information leaflets carefully
- ✓ use products according to their intended use
- ✓ handle products according to the directions on the label and information leaflet.

2. Biocidal preparations must be stored in rooms that are inaccessible to unauthorized persons, have the required ventilation, and comply with health and safety requirements.

3. When working with preparations, do not leave them unattended (pay special attention to the bystanders present).

BEFORE STARTING WORK, THE EMPLOYEE SHOULD:

1. **Familiarize themselves with the assigned work**, listening to the instructions of their superiors regarding the scope of the assigned work related to the use of a specific biocide and the safe performance of the assigned work.
2. **Be familiarized with the occupational risks** of their job, taking into account the use of biocides in the workplace.
3. **Remove rings, signet rings, etc. from hands.**
4. **Ensure that they have received the required personal protective equipment** and necessary work tools from the employer.

5. **Re-read the label and information related to the use of the biocide – check its expiration date and method of use.**
6. **Ensure that the room is properly ventilated and that third parties do not interfere with the proper performance of the work while it is being performed.**
7. **Protect the product from theft or use by outsiders.**
8. **Any irregularities and hazards noticed should be immediately reported to superiors and the occupational health and safety service.**

DO NOT UNDERTAKE WORK WITHOUT REMOVING THE HAZARD OR IRREGULARITY THAT MAY CAUSE POISONING OR ACCIDENT AND WHEN CARRYING OUT WORK INVOLVING THE USE OF BIOCIDAL PREPARATIONS, THE EMPLOYEE SHOULD:

1. **Use the required personal protective equipment.**
2. **Follow the rules for the safe performance of work** involving the use of biocides.
3. **Each job must be performed accurately and in accordance with applicable regulations** and OHS rules, as directed by supervisors and the employer.
4. **Perform work in a safe manner**, without creating any danger to themselves or those around them.
5. **Perform only work assigned** by the employer or direct supervisor.
6. **Ensure the area around the workplace is orderly and tidy**, so that there is no possibility of tripping over stored objects, raw materials, etc., spilling of biocidal preparation, theft or damage to packaging.
7. **When performing teamwork**, strictly follow the instructions of the team leader.
8. **During handling, transport** – packages with biocidal preparations should be protected against the release of vapors or spillage of the preparation.
9. **Report each occurrence of poisoning, accident at work or any other hazard** immediately to the employer and OSH service.
10. **There should be a first aid kit near the place of the work, and the designated employee should have the ability to provide medical first aid. The rules for providing first aid in case of poisoning or dousing with the biocide in question should be included in the instructions for premedical first aid.**
11. In the **event of an accident** at work, leave the workstation in the condition in which the accident occurred until the arrival of the accident team.
12. **In case of any doubt** about the safe performance of the assigned work, ask the employer or supervisor, listen to their instructions and comply with their instructions.

UPON COMPLETION OF WORK, THE EMPLOYEE SHOULD:

1. **Protect used biocides** from accidental spills, use by unauthorized persons.
2. **Wash and disinfect personal protective equipment** according to instructions. Disposable equipment should be decommissioned in accordance with the manufacturer's recommendations and OHS regulations.

3. **Turn off and protect machines and equipment** used during operation from accidental activation.
4. **Clean up** and organize the work area.
5. **Check whether the work site that has been left vacant will not create any hazards.**
6. **Thoroughly wash hands, face under running warm water. Follow the instructions for use of the biocidal preparation in question.**

IT IS NOT ALLOWED TO:

1. **Purchase and store and use in our plant biocidal preparations that do not have the required permits for** placing them on the market commercially, with incomplete aforementioned documentation, blurred and illegible labels, in non-original packaging, of unknown origin.
2. **Eat food, drink beverages, smoke** while using biocides.
3. **Make any changes to package labels**, transfer or store biocidal preparations in “substitute” packages.
4. **Perform any work with biocidal preparations by unauthorized persons.**
5. **Leave biocidal preparations unattended**, in rooms to which unauthorized bystanders have access.
6. Use biocidal preparations after the expiration date or relevant approvals.

EMERGENCY PROCEDURES

1. **In case of accidental poisoning, spillage of large amounts of product, damage to the container, danger of harm to health or in case of any other danger:**

a) **immediately contact** :

Prof. J. Nofer Institute of Occupational Medicine; Toxicological Information Center ul. św.

Teresy od Dzieciątka Jezus 8, 91-384 Łódź

Head: Dr. Anna Piekarska-Wijatkowska phone: +48 42 631 47 24/25 (8 am – 3 pm) e-mail:

Anna.Piekarska@imp.lodz.pl

b) **immediately call 112**

c) **retain the packaging** and other information (information leaflet, etc.) for the biocidal preparation.

2. **Regardless, in the event of poisoning, the above-mentioned center** responsible for the control of poisoning by biocidal preparations (products) in our province **should be notified to** send a biocidal product poisoning form containing information including:

the name of the product as well as the name of the entity responsible for this product in the Republic of Poland,

- ✓ the date and time of submission,
- ✓ name, address of toxicology center,
- ✓ name of reporting entity, method of reporting,
- ✓ information on toxicology consultations,
- ✓ circumstances of poisoning, place of poisoning,
- ✓ data on the person who was poisoned,

✓ consequences of poisoning, type, route and time of exposure.

b) immediately call 112

c) retain the packaging and other information (information leaflet, etc.) for the biocidal preparation.

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✓ name of reporting entity, method of reporting,

✓ information on toxicology consultations,

✓ circumstances of poisoning, place of poisoning,

✓ data on the person who was poisoned,

✓ consequences of poisoning, type, route and time of exposure.

3. **If a situation arises that is not listed in this instruction, immediately report** to the employer or supervisor regarding further action.

An employee performing work related to the use, storage of biocidal preparations should observe the rules and regulations contained in this manual, as they may be held liable for failure to observe them.

Legal basis:

1. Directive 98/8/EC of the European Parliament and of the Council of 16 II1998 concerning the placing of biocidal products on the market.

2. Act of September 13, 2002 on biocidal products (Journal of Laws No. 175, item 1433, as amended).

3. Regulation of the Minister of Health of 29 V III 2006 on the list of toxicological centers responsible for the control of poisoning with biocidal products and entities obliged to report poisonings (Journal of Laws No. 161, item 1143).

4. Regulation of the Minister of Health of 29 August 2006 on the manner of collecting information on cases of poisoning involving biocidal products (Journal of Laws No. 161, item 1144).

Health and Safety Inspector Mariusz Wylęgły

Assessed by

Deputy Director for Administration Eng. Wojciech Sobaczak

Approved by