

Summary of product characteristics for a biocidal product

Product name: Nonax 2008-EU

Product type(s): PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

Authorisation number: BE2020-0002

R4BP 3 asset reference number: BE-0023468-0000

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Administrative information

1.1. Trade names of the product

Nonax 2008-EU

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Pulcra Chemicals GmbH
	Address	Isardamm 79-83 82538 Geretsried Germany
Authorisation number	BE2020-0002	
R4BP 3 asset reference number	BE-0023468-0000	
Date of the authorisation	11/05/2020	
Expiry date of the authorisation	10/05/2030	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Pulcra Chemicals LLC
Address of the manufacturer	474 Bryant Blvd SC 29732 Rock Hill United States
Location of manufacturing sites	474 Bryant Blvd SC 29732 Rock Hill United States

1.4. Manufacturer(s) of the active substance(s)

Active substance	1342 - Permethrin
Name of the manufacturer	Tagros Chemicals India Ltd.
Address of the manufacturer	"Jhaver Centre", Rajah Annamalai Building, IV Floor, 72, Marshalls Road, 600 008 Chennai, Egmore, Tamil Nadu India
Location of manufacturing sites	SIPCOT Industrial Complex A4/1&2 Kudikadu, Cuddalore, Tamil Nadu India

2. Product composition and formulation

2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Permethrin		Active Substance	52645-53-1	258-067-9	15,35
ammonia			1336-21-6	215-647-6	0,8
methanol			67-56-1	200-659-6	0,042
formaldehyde			50-00-0	200-001-8	0,042

2.2. Type of formulation

CS - Capsule suspension

3. Hazard and precautionary statements

Hazard statements	<p>May cause an allergic skin reaction.</p> <p>Very toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid breathing fume.</p> <p>Avoid breathing spray.</p> <p>Contaminated work clothing should not be allowed out of the workplace.</p> <p>Avoid release to the environment.</p>

Wear protective gloves, eye protection, face protection.

IF ON SKIN:Wash with plenty of soap and water.

Specific treatment (see first aid instructions on this label).

Dispose of contents to a licensed hazardous-waste disposal contractor or collection site, in accordance with local, regional, national and/or international regulation..

Dispose of container to a licensed hazardous-waste disposal contractor or collection site, in accordance with local, regional, national and/or international regulation.

4. Authorised use(s)

4.1 Use description

Use 1 - Impregnation of textiles

Product type	PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)
Where relevant, an exact description of the authorised use	Only to be used for impregnation of textiles intended for the manufacture of military uniforms. Intended to be used solely in combination with Nonax 3001-A and Nonax 3009-A binders.
Target organism(s) (including development stage)	<p>Scientific name: Culicidae: Common name: Aedes aegypti Development stage: Adults</p> <p>Scientific name: Culicidae: Common name: anopheles gambiae Development stage: Adults</p> <p>Scientific name: Culicidae: Common name: Culex quinquefasciatus Development stage: Adults</p> <p>Scientific name: Ixodidae: Common name: Ixodes ricinus Development stage: Nymphs and adults</p>
Field(s) of use	<p>Indoor</p> <p>Industrial textile treatment</p>
Application method(s)	<p>Open system: immersion -</p> <p>Nonax 2008-EU is applied only one time onto textiles. No reapplication is foreseen. Nonax 2008-EU is designed to be used with the binding agents Nonax 3001-A and Nonax 3009-A, along with water. The relative amount of the three components in the mixture is 56% Nonax 2008-EU, 16% Nonax 3001-A and 28% Nonax 3009-A.</p> <p>Dosage between 1,00 and 1,60 g permethrin/m² of fabric</p> <p>WHO's generally recommended target is 1,25 g/m² permethrin</p>

Application rate(s) and frequencies

1-1.6 g permethrin/m² cloth - see use-specific instructions for use - Product is applied once to fabric on an industrial scale beforehand.

Category(ies) of users

Industrial

Pack sizes and packaging material

Drum, Plastic: HDPE , 30L

4.1.1 Use-specific instructions for use

Only to be used for impregnation of textiles intended for the manufacture of military uniforms.

Nonax 2008-EU is designed to be used solely in combination with the binding agents Nonax 3001-A and Nonax 3009-A, along with water.

The fixed relative amount of the three components, water excluded, is 56% Nonax 2008-EU, 16% Nonax 3001-A and 28% nonax 3009-A. The typical amount of each component in the mixture is 10% Nonax 2008-EU, 2.90% Nonax 3001-A, and 5% Nonax 3009-A, with water as the remainder.

Always read the label or technical data sheet before use and follow the use instructions provided.

Do not mix at high speed.

- Dilute Nonax 2008-EU in separate vessel/bucket with approximately double the quantity of cold water. Add to the bath after passing through a pocket filter. (100- 250 micron mesh) to remove any dried agglomerates of microcapsules.
- Dilute Nonax 3001-A with approximately the same quantity of cold water in a separate vessel/bucket. Add to the liquor bypassing through a filter. Stir at low speed until homogeneous.
- Dilute Nonax 3009-A with approximately the same quantity of cold water in a separate vessel (start with water and add the Nonax 3009-A). Stir slowly until homogeneous. Add to the liquor passing through a filter. Stir at low speed until homogeneous.
- Fill up the vessel with water. Continue stirring at low speed until homogeneous.
- Check pH. Adjust with acetic acid to pH 4.5-5.5 if needed.

In order to avoid possible precipitation or flocculation of the product, the head tank (containing the liquor) should be stirred continuously at low speed.

Nonax 2008-EU containers must be rinsed thoroughly at least once before disposal as hazardous waste. The resulting rinsing water must be added to the liquor (in preparation at that time) in the impregnation bath.

- Drying/curing on stenter in one run: keep 100°C in drying chambers, then curing for 30 sec at 140-150°C.

4.1.2 Use-specific risk mitigation measures

Do not use or store near heat or open flame. Avoid contact with eyes or clothing. Wear protective eyewear when handling this product. Wear protective gloves. Wear appropriate mask. Avoid all unnecessary exposure. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

Do not contaminate waterbodies or watercourses with chemicals or used container.

Application solutions must be collected and reused or disposed of as hazardous waste. They must not be released to soil, ground and surface water or any kind of sewer.

All losses of the product during mixing/loading shall be contained and disposed of in a safe way to avoid exposure to non-target areas, particularly to surface waters/drains.

Any losses from the application of the product shall be collected for reuse or disposal.

Not to be used for impregnation of textiles other than those intended for the manufacture of military uniforms.

4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

FIRST AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label).

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

ACCIDENTAL RELEASE MEASURES

Evacuate all unnecessary personnel

Equip cleanup crew with proper protection

Ventilate area.

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

Avoid release to the environment. Collect spillage. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site, in accordance with local, regional, national and/or international regulation.

4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

Keep only in the original container in a cool, dry, well ventilated place. Package should be kept away from direct sunlight. Not to be stored or applied at or below 0°C. Protect from heat. Keep container closed when not in use.

Shelf life: 2 years

5. General directions for use

5.1. Instructions for use

See use-specific instructions for use

5.2. Risk mitigation measures

See use-specific risk mitigation measures

5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

See use-specific section

5.4. Instructions for safe disposal of the product and its packaging

See use-specific section

5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

See use-specific section

6. Other information

Conditions for authorization

Nonax 2008-EU must only be applied to textiles intended for the manufacture of military uniforms.

These military uniforms are to be used only in high risk areas where the target organisms of the biocidal product are present as vectors of diseases.

The authorization in accordance with article 19(5) of Regulation (EU) n°528/2012 shall be reviewed when alternatives are available that are suitable for military use and that pose a lower risk to the environment.

The authorization holder must provide the competent authority with a list of all users to whom the product Nonax 2008-EU is sold on the Belgian market. It is the responsibility of the authorization holder to inform the competent authority of possible changes made to this list. This list of users of the product Nonax 2008-EU will be transferred to the regional competent authorities in charge of monitoring of wastewater. In the case analytical data on the wastewater taken at the site of textile treatment show that the level of permethrin in the wastewater exceeds acceptable levels as imposed by these regional competent authorities, these competent authorities will take appropriate legal measures.

degree of purity for permethrin: 93%

Concentration of permethrin in Nonax 2008-EU: 15.35%

Guaranteed concentration of permethrin in Nonax 2008-EU: 14.27%