



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : 251 LANKO NET VERT
Product code : S251-01.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Refer to the technical data sheet

1.3. Details of the supplier of the safety data sheet

Registered company name : PAREXGROUP S.A.
Address : 19, place de la résistance - CS 50053.92445.Issy les Moulineaux Cedex.France.
Telephone : (33)01.41.17.20.00. Fax : 01.41.17.21.30.
fds.matiere-fr@parex-group.com
www.parexlanko.com

1.4. Emergency telephone number : +44 (0)1827 711755 (Mon-Fri 08:30 – 16:30)

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).
Eye irritation, Category 2 (Eye Irrit. 2, H319).
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

Biocidal mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Hazard statements :

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General :

P102 Keep out of reach of children.

Precautionary statements - Prevention :

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or a doctor.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 2783 CAS: 68424-85-1 EC: 270-325-2	GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 1		1 <= x % < 2.5
COMPOSÉS DE L'ION AMMONIUM QUATERNAIRE, BENZYL EN C12-16 ALKYLDIMÉTHYLES, CHLORURES			

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

Make the patient breathe fresh air and keep him warm and calm

In the event of splashes or contact with eyes :

Rinse IMMEDIATELY with a large amount of water for at least 15 minutes holding the eyelids open. Consult an eye doctor in case of irritation.

In the event of splashes or contact with skin :

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
Remove surplus of product. Wash the skin with soapy water . Change clothes if necessary. A prolonged contact can cause irritations.

In the event of swallowing :

For small quantities, rinse the mouth with water and seek medical advice. For large quantities, do not allow the person to drink, do not cause the person to vomit. Transfer the person to a hospital and show the product label or this material safety data sheet to the medical staff on duty.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

No data available.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

Handle with appropriate clothing (gloves, coveralls, boots ...).

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Provide a proximity water position in case of regular use

Handle preferably in sufficiently ventilated premises

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this mixture.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Store in dry, frost-free conditions in original packaging.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Appropriate engineering controls

IN CASE OF SPRAYING:

Do not spray in windy conditions: use the brush, roller or a sponge mop.

Do not spray in windy conditions: use the brush, roller or a sponge mop.

Use a PERFECTLY CLEAN low pressure sprayer (<3 bar, gardentype) to avoid the formation of mist.

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Use a PERFECTLY CLEAN low pressure sprayer (<3 bar, gardentype) to avoid the formation of mist.

Envisage in the vicinity a clean water container or an ocular fountain in the event of projection in the eyes

- Hand protection

Use EN 374 chemical protection nitrile gloves with CE labeling. Contaminated gloves should be removed.

For permanente exposure : Viton gloves (0.4mm) protection duration >30 min.

Unsuitable gloves: protective gloves for mechanical work (textile, leather, etc.) do not provide a protection against chemicals.

- Body protection

Avoid skin contact.

After contact with the product, all parts of the body that have been soiled must be washed.

Wear protective clothing.

Exposure controls linked to environmental protection

Protect the vegetation around the treated areas.

Do not apply to materials in direct contact with foodstuffs.

Keep away from foodstuffs, beverages and animal feed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Fluid liquid.
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Important health, safety and environmental information

pH (aqueous solution) :	6.2-8.2
pH :	Not stated.
	Neutral.
Boiling point/boiling range :	Not relevant.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	= 1
Water solubility :	Dilutable.
Viscosity:	$\nu < 7 \text{ mm}^2/\text{s}$ (40°C)
Melting point/melting range :	Not relevant.
Self-ignition temperature :	Not relevant.
Decomposition point/decomposition range :	Not relevant.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- frost

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data available.

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

11.1.1. Substances**Skin corrosion/skin irritation :**

COMPOSÉS DE L'ION AMMONIUM QUATERNAIRE, BENZYL EN C12-16 ALKYLDIMÉTHYLES, CHLORURES (CAS: 68424-85-1)

Corrosivity :

Causes severe skin burns.

Species : Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Respiratory or skin sensitisation :

COMPOSÉS DE L'ION AMMONIUM QUATERNAIRE, BENZYL EN C12-16 ALKYLDMÉTHYLES, CHLORURES (CAS: 68424-85-1)
Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
Species : Guinea pig
OECD Guideline 406 (Skin Sensitisation)

11.1.2. Mixture

No toxicological data available for the mixture.

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

COMPOSÉS DE L'ION AMMONIUM QUATERNAIRE, BENZYL EN C12-16 ALKYLDMÉTHYLES, CHLORURES (CAS: 68424-85-1)

Fish toxicity : LC50 = 0.85 mg/l
Factor M = 1
Species : Oncorhynchus mykiss
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : EC50 = 0.016 mg/l
Factor M = 10
Species : Daphnia magna
Duration of exposure : 24 h

EC10 mg/l
Species : Daphnia magna
Duration of exposure : 48 h
OECD Guideline 211 (Daphnia magna Reproduction Test)

NOEC = 0.025 mg/l
Species : Daphnia magna
OECD Guideline 211 (Daphnia magna Reproduction Test)

Algae toxicity : ECr50 = 0.02 mg/l
Factor M = 10
Species : Selenastrum capricornutum
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

EC10 mg/l
Factor M = 1
Species : Selenastrum capricornutum
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

COMPOSÉS DE L'ION AMMONIUM QUATERNAIRE, BENZYL EN C12-16 ALKYLDMÉTHYLES, CHLORURES (CAS: 68424-85-1)

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

COMPOSÉS DE L'ION AMMONIUM QUATERNAIRE, BENZYL EN C12-16 ALKYLDMÉTHYLES, CHLORURES (CAS: 68424-85-1)

Octanol/water partition coefficient : log K_{ow} = 2.88
OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

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14.6. Special precautions for user

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SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)

- Container information:

No data available.

- Particular provisions :

No data available.

- Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC) :

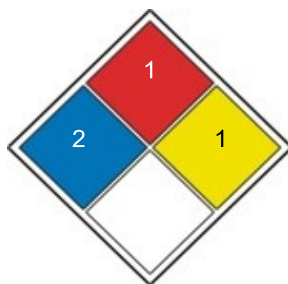
Name	CAS	%	Product-type
COMPOSÉS DE L'ION	68424-85-1	24.50 g/kg	02
AMMONIUM QUATERNAIRE,			10
BENZYL EN C12-16			
ALKYLDIMÉTHYLES,			
CHLORURES			

Product-type 2 : Disinfectants and algaecides not intended for direct application to humans or animals.

Product-type 10 : Construction material preservatives.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.