

Version 1.0

According to regulation EC 1272/2008

PRONANOSOMES GREEN FLUORESCENT NIO-CAT - PNS-NC-GF

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifiers

Product name PRONANOSOME GREEN FLUORESCENT NIO-CAT (PNS-NC-GF)
REACH Registration No
CAS No.
Unit size

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

Reagent for use in laboratory

1.3 Details of the supplier of the safety data sheet

Company Nanovex Biotechnologies S. L.
Ed. CEEI
Parque Tecnológico de Asturias
Llanera 33428 (Asturias) Spain
Phone (+34) 985 980 098
Email info@nanovexbiotech.com

1.4 Emergency telephone number

Emergency phone (+34) 704100087
Institute of Toxicology (+34) 915620420

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Cutaneous irritation (Category 2), H315
Severe ocular injuries (Categoría 1), H318
Specific target organ toxicity - repeated exposure (Category 2), Liver, Gastrointestinal system, Immune system, H373
Aspiration hazard (Category 1), H304
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410
For the full text of the H-Statements mentioned in this section, see Section 16.

Classification according to EU Directives 67/548 / EEC or 1999/45 / EC

Xn, N Harmful, Dangerous for the environment R38, R41, R48 / 22, R65, R50 / 53
For the full text of the R-phrases mentioned in this Section, see Section 16

2.2 Label elements



Labeling according to Regulation (EC) 1272/2008

H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H373 May cause damage to organs (liver, gastrointestinal system, immune system) by prolonged or repeated exposure.
 H410 Very toxic to aquatic life with long lasting effects.

Statement of caution

P273 Avoid release to the environment.
 P280 Wear safety goggles / face mask.
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Keep clarifying. Immediately call a POISON CENTER or doctor / physician.
 P331 Do NOT induce vomiting.
 P501 Dispose of contents / container to an authorized waste disposal plant

2.3 Other hazards

Any

SECTION 3: Composition/information on ingredients

3.1 Substances

This product contains: Octadecylamine

Synonyms: 1-Aminooctadecane Stearylamine

Formula: C18H39N

Molecular weight: 269.51 g / mol

CAS-No .: 124-30-1

EC No. 204-695-3

No. Index: 612-282-00-8

Hazardous ingredients according to Regulation (EC) No. 1272/2008

Component	Classification	Concentration
Octadecylamine CAS-No. 124-30-1 EC No. 204-695-3 No. Index 612-282-00-8	Irrit Skin. 2; Eye Dam. 1; STOT RE 2; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; H304, H315, H318, H373, H410	2%

Hazardous ingredient according to Directive 1999/45 / EC

Component	Classification	Concentration
Octadecylamine CAS-No. 124-30-1 EC No. 204-695-3 No. Index 612-282-00-8	I Xn, N, R38-R41-R48 / 22-R50 / 53-R65	2%

According to the applicable regulations it is not necessary to disclose more components.

SECTION 4: First aid measures

4.1 Description of first aid measures

General recommendations

Get medical attention. Show this safety data sheet to the doctor.

If inhaled

If aspirated, move person to fresh air. If breathing has stopped, give artificial respiration. Consult a physician.

In case of contact with skin

Wash off with soap and plenty of water. Consult a physician.

In case of contact with eyes

Wash eyes thoroughly with water as a precaution.

If swallowed

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are on the label and / or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing measures

Recommended extinguishing media

Use water spray, alcohol resistant foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx)

5.3. Advice to firefighters

If necessary, wear self-contained breathing apparatus for fire fighting.

5.4 Other data

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Personal protective equipment, see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let the product enter the sewage system. Discharge into the environment should be avoided.

6.3 Methods and material for containment and cleaning up

Collect and prepare for disposal without causing dust. Clean and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For waste disposal see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with the eyes and skin. Avoid formation of dust and aerosols. Adequate extraction must be available in places where dust is formed. See precautions in section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed in a dry and well-ventilated place. Carbon dioxide sensitive Handle and store in an inert atmosphere. Sensitive to air. German Storage Class (TRGS 510): Non-combustible solids.

7.3 Specific end use

Apart from the uses mentioned in section 1.2 there are no other specific uses

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with occupational exposure limits.

Does not contain substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate technical controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after working day.

Personal Protection

Protection of eyes / face

Masks and safety glasses. Wear approved eye protection according to applicable governmental regulations, such as NIOSH (USA) or EN 166 (EU).

Skin protection

Handle with gloves. Gloves should be inspected prior to use. Use the correct technique to remove gloves (without touching the outer surface of the glove) to avoid skin contact with this product. Discard contaminated gloves after use, in accordance with applicable laws and good laboratory practice. Wash and dry hands.

The selected protective gloves must comply with the specifications of the EU Directive 89/686 / EEC and the standard EN 374 derived there from.

Sumer Material: No data available

Material splash: No data available

Body Protection

Full protective clothing against chemicals The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific place of work.

Respiratory protection

Where risk assessment shows that air-purifying respirators are appropriate, wear a full-face respirator type N100 (USA) or type P3 (EN 143) and spare cartridges for engineering controls. If the respirator is the only protection, wear a supplied full face piece respirator. Wear respirators and components tested and approved under appropriate governmental standards such as NIOSH (USA) or CEN (EU)

8.3 Environmental Exposure Controls

Prevent further leakage or spillage if safe to do so. Do not let the product enter the sewage system. Discharge into the environment should be avoided

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

1. Appearance Form: yellow/orange solid
2. Odor: no data available
3. Odor threshold: no data available
4. pH no data available
5. Melting point / freezing point: no data available
6. Initial boiling point and boiling range: no data available
7. Flash point: no data available
8. Evaporation rate: no data available
9. Flammability (solid, gas): no data available
10. Upper / lower flammability or explosive limits: no data available
11. Vapor pressure: no data available
12. Vapor density: no data available
13. Relative density: no data available
14. Solubility in water: no data available
15. Partition coefficient: n-octanol / water: no data available
16. Autoignition temperature: no data available
17. Decomposition temperature: no data available
18. Viscosity: no data available
19. Explosive properties: no data available
20. Oxidizing properties no data available

9.2 Other information

No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

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

Acute toxicity

No data available

Skin corrosion / irritation

No data available

Serious eye damage or irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity IARC: No component of this product, present at levels greater than or equal to 0.1% as a human carcinogen likely, possible or confirmed by the International Carcinogen Research Agency (IARC) is identified.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Danger of aspiration

No data available

Potential health effects

Inhalation: May be harmful if inhaled. May cause irritation of the respiratory tract.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Additional Information RTECS:

No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance / mixture contains no components that are considered to be bioaccumulative and persistent toxic (PBT) or very bioaccumulative and very persistent (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging
disposal

SECTION 14: Transport Information

14.1 UN number

ADR / RID: 3077 IMDG: 3077 IATA: 3077

14.2 UN proper shipping name

ADR / RID: SOLID SUBSTANCE, HAZARDOUS ENVIRONMENT (Contains 2% octadecylamine)
IMDG: ENVIROMENTALLY HAZARDOUS SUBSTANCE, SOLID (contains 2% octadecylamine)
IATA: Enviromentally hazardous substance, solid

14.3 Transport hazard class (es)

ADR / RID: 9 IMDG: 9 IATA: 9

14.4 Packing group

ADR / RID: III

IMDG: III

IATA: III

14.5 DANGER FOR THE ENVIRONMENT

ADR / RID: Yes

IMDG Marine pollutant: Yes

IATA: Yes

14.6 Special precautions for user:

Other data:

Any

SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

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