



SAFETY DATA SHEET

Revision Date: 29th September 2017
According to regulation (EC) No. 1907/2006

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

1.1 Product Identifier

Product Name Nitro-PAPS
Product Code DJ109A
Synonyms 2-(5-Nitro-2-pyridylazo)-5-[N-n-propyl-N-(3-sulfopropyl)amino]phenol, disodium salt, dihydrate
CAS Number 143205-66-7
Molecular Weight 503.45
Formula $C_{17}H_{19}N_5Na_2O_6S \cdot 2H_2O$
EC Number No data available
REACH registration No No data available

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

Relevant identified uses: For research use only.

1.3 Details of the supplier of the safety data sheet

Company Name Europa Bioproducts Ltd
Address 15-17 North Street, Wicken, Ely, Cambridgeshire, CB7 5XX, UK
Telephone +44 (0) 1353 721118 : (office hours 9:00 to 17:00 mon-Fri)
Fax +44 (0) 1353 624589
Email info@europa-bioproducts.com

1.4 Emergency telephone number

During normal office hours: +44 (0)1353 721118 (9:00-17:00 Monday-Friday)
Outside of office hours +44 (0)1284 811570

In the event of medical emergency, call for an ambulance or emergency medical assistance immediately.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity-single exposure, Category 3 H335

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Hazard Pictogram



Signal Word

WARNING

Hazard Statements

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash/hands/face/forearms/clothing thoroughly after handling.

P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/ face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/international regulations.

Supplemental Hazard Information: Not applicable.

2.3 Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Product Name	CAS No	Concentration	Classification according to Regulation (EC) 1272/2008 (CLP)
Nitro-PAPS	143205-66-7	≤100%	Skin corrosion/irritation 2: H315, Serious eye damage/eye irritation 2: H319, STOT-SE 3: H335

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Following skin contact

Wash off with plenty of water. Remove contaminated clothing and launder before reuse.

Following eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.

Following ingestion

Do not induce vomiting. Wash out mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.

Following inhalation

If breathed in, move into fresh air. Seek medical advice if discomfort occurs. If not breathing, give artificial respiration. Call a physician.

Self-protection of the first aider

Please observe all good laboratory practice.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed

No information available

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing media appropriate for the surrounding fire.

5.2 Special Hazards arising from the substance or mixture

May emit toxic fumes under fire conditions.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus and full protective clothing if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedure.

Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid formation of dust. Avoid breathing dust, vapours, mist or gas. Avoid contact with skin and clothing.

6.2 Environmental precautions

Prevent further leakage Prevent contamination of drains with product.

6.3 Methods and materials for cleaning up

Pick up and collect product in suitable container for disposal.

6.4 Reference to other sections

See section 8 for information on safe handling.

See section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust. Avoid breathing dust, vapours, mist or gas. Wear appropriate protective personal equipment. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Store in a cool, dark and dry place.

7.3 Specific end use(s):

Not applicable.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handling.

Personal protective equipment

Respiratory protection: Wear suitable respiratory equipment in case of inadequate ventilation.

Protection of hands: Wear protective gloves conforming to EU Directive 89/686/EEC and European Standard EN374.

Gloves must be inspected prior to use. Avoid skin contact with product when removing gloves. Dispose of contaminated gloves safely after use.

Eye protection: Wear safety glasses with side-shields conforming to European Standard EN166.

Skin and Body protection: Wear laboratory coat or impervious clothing. Choose appropriate body protection according to the amount and concentration of the substance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Dark green or dark greenish brown powder
b) Odour	Odourless
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point /boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper / lower flammability or explosion limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
M Relative density	No data available
n) Solubility(ies)	Solubility in water (50mg/100ml)
o) Partition coefficient	No data available
p) Auto ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other Information

No further relevant information available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable

10.2 Chemical Stability

Stable at a cool, dark and dry place.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, sunlight, high temperature.

10.5 Incompatible Materials

Strong oxidizing agents, strong acids and bases.

10.6 Hazardous decomposition products

When decomposed, it may emit toxic fumes of carbonmonoxide, carbon dioxide, nitrogen oxides and sulfur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/ irritation	No data available.
Serious eye damage/ irritation	No data available.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.

Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a possible, probable or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available.
STOT-SE	No data available.
STOT-RE	No data available.
Aspiration hazard	No data available.

11.2 Additional Information

Potential health effects:

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

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

Eyes: Causes serious eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential:

No data available

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 further relevant information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment methods

Product:

Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of unused product. Do not reuse empty containers.

SECTION 14. Transport information

	Land transport (ADR)	Inland waterway (ADN)	Sea (IMDG)	Air (ICAO-TI/IATA-DGR)
14.1 Un No.	Not applicable	Not applicable	Not applicable	Not applicable
14.2 UN Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(s)	Not applicable	Not applicable	Not applicable	Not applicable
14.4 Packing Group	Not applicable	Not applicable	Not applicable	Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable

SECTION 15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 [REACH], as amended by Commission Regulation (EU) No 453/2010.

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

Directive 2012/18/EU of the European Parliament and of the Council of 4th July 2012 on the control of major-accident hazards involving dangerous substances.

Regulation (EC) No 1907/2006 of European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and restriction of Chemicals (REACH).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures.

15.2 Chemical Safety Assessment:

No information available.

SECTION 16. OTHER INFORMATION

The information provided in this data sheet is correct to the best of our knowledge at the date of publication. It is intended to provide guidance in the safe handling, use, storage, transportation and disposal of the material. The information does not constitute the user's own assessment of workplace risk as required by UK legislation currently in force. Only competent persons within a suitably controlled environment should handle chemicals.

Europa Bioproducts Ltd. cannot accept liability for any loss or damage relating to the use of this information.

16.1 Indication of change

Version Number 3, Revision Date: 29th September 2017.

Reason for revision: To incorporate manufacturers updated information according to regulation (EC) No. 1907/2006.

Department issuing msds:

Europa Bioproducts, QC Department.

16.2 Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises par chemin de fer (Regulations Concerning the International transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for dangerous Goods

IATA: International Air Transport Association

IARC: International Agency for Research on Cancer.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

STOT-SE: Specific Target Organ Toxicity-Single Exposure.

STOT-RE: Specific Target Organ Toxicity-Repeat Exposure.

REACH: Regulations concerning the International transport of dangerous goods.