



SAFETY DATA SHEET

According to regulation (EC) No. 1907/2006
Version 5 revision Date 19th June 2014

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

1.1: Product Identifier:

Product Name: TOOS
Catalogue Number: DJ108A
Synonyms: N-Ethyl-N-(2-hydroxy-3-sulfopropyl)-m-toluidine sodium salt
CAS Number: 82692-93-1
REACH Registration: None applicable

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

Identified Use Laboratory reagent

1.3 Details of the supplier of the safety data sheet

Company Name Europa Bioproducts Ltd.
Address 15-17 North Street, Wicken, Cambridgeshire, CB7 5XW, United Kingdom
Telephone +44 (0)1353 721118
Fax +44 (0)1353 624589
Email info@europa-bioproducts.com

1.4 Emergency telephone number

Office hours: +44 (0)1353 721118 (09:00 - 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.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product does not contain any substances above any Specific or Generic Concentration Limits according to EC directives or respective national laws". Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. 67/548/EEC or 1999/45/EC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Signal Word:

None

Hazard Class:

None

Hazard Statements:

None assigned

Precautionary Statements:

None

2.3 Other hazards

None

Chip

Classification:

Not classified as hazardous

Risk Phrases:

None assigned

Safety Phrases:

None

3. COMPOSITION / INFORMATION ON INGREDIENTS**3.2 Substance**

Component:	CAS Number	EC Number	Amount	Hazard Classification
TOOS	82692-93-1		98%	Not classified

4. FIRST AID MEASURES**4.1 Description of first aid measures**

Ingestion	Do not induce vomiting. Wash out mouth with water provided that the casualty is conscious. Seek medical attention.
Inhalation:	Remove from exposure. Keep warm and at rest. Treat symptomatically. Seek medical advice if discomfort occurs.
Skin:	Wash the affected area thoroughly with water. Remove contaminated clothing and laundry before reuse.
Eyes:	Flush eyes with copious amounts of water for at least 15 minutes, lifting upper and lower lids. Seek medical attention if irritation occurs.

4.2 Most important symptoms and effects, both acute and delayed

No information is available. To the best of our knowledge, the chemical, physical, and toxicological properties of the product have not been thoroughly investigated

4.3 Indication of any immediate medical attention and special treatment needed

No information available

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Use any 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 firefighters

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

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment as appropriate for the scale of the spill and potential for exposure. Avoid the creation of aerosols or breathing vapours, mist or gas. Avoid contact with skin and eyes.

6.2 Environmental precautions

Prevent contamination of drains, sewers, watercourses and ponds.

6.3 Methods and materials for containment and cleaning up

Small amounts of material should be wiped up with inert absorbent material. Place in a suitable container and store-pending disposal. Ventilate the area and wash the spill site with water once all material has been cleaned up. Do not use a high-pressure water jet.

6.4 Reference to other sections

Refer to Section 8 for information regarding Personal Protective Equipment.

Refer to Section 13 for information regarding disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Prevent contact with skin and eyes. Do not breath vapours or aerosols. Do not eat, drink or smoke in the working area. Work in an extracted enclosure wearing protective clothing as required. Wash hands and exposed skin thoroughly after handling this material.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end uses

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Workplace Exposure Limits (United Kingdom): none relevant.

8.2 Exposure controls

Appropriate engineering controls

Work in an extracted enclosure.

8.3 Personal protective equipment

Eye/face protection

Wear safety glasses conforming to European Standard EN166.

Skin protection

Wear protective gloves conforming to European Standard EN374. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves safely after use. Wash and dry hands.

Body protection

Wear laboratory coat or overall.

Respiratory protection

Respiratory protection is unlikely to be required.

General

The potential for, and extent of exposure should be taken into account when determining the appropriate PPE to wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance:	White to slightly blue powder or crystalline powder.
b)	Odour:	No data available
c)	Odour Threshold	No data available
d)	pH:	No data available
e)	Melting point / freezing point:	No data available
(f)	Initial boiling point and 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 explosive	No data available
(k)	Vapour pressure:	No data available
(j)	Upper / lower flammability or explosive limits:	No data available
(l)	Vapour density:	No data available
(m)	Relative density:	No data available
(n)	Solubility:	Soluble in water
(o)	Partition coefficient: n-octanol / water:	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 other information is available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Sunlight, heat, high temperatures.

10.5 Incompatible materials

Strong oxidizing agents, strong acids and strong bases.

10.6 Hazardous decomposition products

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

a)	Acute toxicity:	No data available
b)	Skin corrosion / irritation:	No data available
c)	Serious eye damage / eye irritation:	No data available
d)	Respiratory or skin sensitization:	No data available
e)	Germ cell mutagenicity:	No data available
f)	Carcinogenicity:	No data available
g)	Reproductive toxicity:	No data available

- h) Specific target organ toxicity - single exposure: No data available
 I) Specific target organ toxicity - repeated exposure: No data available
 j) Aspiration hazard No data available

Potential health effects

Ingestion:

No data available

Inhalation:

May cause irritation. Proteins may cause sensitisation and cause allergenic type responses in sensitised individuals.

Skin:

Prolonged contact may cause irritation.

Eyes:

May cause irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties of the product have not been thoroughly investigated.

Additional Information

RTECS: not available.

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

No data available

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN Number

Not dangerous for Transporting -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.5 Environmental hazards

ADR/RID: No, IMDG Marine pollutant: No, IATA: No,

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

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

Not applicable

15.2 Chemical Safety Assessment

Not applicable

16. OTHER INFORMATION

Key to abbreviations and acronyms

- ADR: Accord European sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by road)
- CAS: Chemical Abstracts Service
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- IMDG: International Maritime Code for Dangerous Goods
- REACH: Registration, Evaluation, Authorisation and restriction of Chemicals
- RID: Reglement International concernant le transport des marchandises Dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

Disclaimer

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.

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Safety Data Sheet prepared by

Europa Bioproducts Ltd

Reason for issue / revision of Safety Data Sheet to updated CLP legislation.