

Safety Data Sheet

TourTurf NWA

Issued: 27/10/2022
Version: 1.0.0

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

1.1. Product identifier

Trade name: TourTurf NWA

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

Recommended uses: Fertiliser.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: E. Marker
Address: Okslundvej 8, Bov
Zip code: 6330
City: Padborg
Country: DENMARK
E-mail: info@emarker.dk
Phone: + 45 74 67 08 08
Homepage: www.emarker.dk

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Eye Irrit. 2;H319 STOT SE 3;H335

Most serious harmful effects: Causes serious eye irritation. May cause respiratory irritation.

2.2. Label elements

Pictograms



Signal word: Warning

Hazard Statements

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P280 Wear eye protection.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

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Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance | CAS No./ EC No./ REACH Reg. No. | Concentration | Notes | CLP-classification |
|-----------|---------------------------------|---------------|-------|-------------------------------------|
| Saponin | 8047-15-2 232-462-6 | 35 - 95 % | | Eye Irrit. 2;H319 STOT SE 3;H335 |

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.

Skin contact: Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of persistent discomfort.

Eye contact: Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

General: When obtaining medical advice, show the safety data sheet or label.

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

Irritating to eyes. Causes a burning sensation and tearing. Inhalation of vapours is irritating to the upper airways.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Provide good ventilation. Wear safety goggles. Wear gloves. Stay upwind/keep distance from source. Stop leak if this can be done without risk.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

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6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment.

See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a dry, cool, well-ventilated area. Keep in tightly closed original packaging. Avoid direct sunlight.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

Measuring methods: Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles. Eye protection must conform to EN 166.

Personal protective equipment, hand protection: Plastic or rubber gloves recommended.

Personal protective equipment, respiratory protection: In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Parameter | Value/unit |
|-----------|------------|
| State | Liquid |

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| | |
|------------|------------------------------|
| Colour | Light yellow / Brown |
| Odour | Characteristic |
| Solubility | Solubility in water: Soluble |

| Parameter | Value/unit | Remarks |
|---|------------|---------|
| Odour threshold | No data | |
| Melting point | No data | |
| Freezing point | No data | |
| Initial boiling point and boiling range | 224 °C | |
| Flammability (solid, gas) | No data | |
| Flammability limits | No data | |
| Explosion limits | No data | |
| Flash Point | No data | |
| Auto-ignition temperature | No data | |
| Decomposition temperature | No data | |
| pH (solution for use) | No data | |
| pH (concentrate) | 5.0 - 6.0 | |
| Kinematic viscosity | No data | |
| Viscosity | No data | |
| Partition coefficient n-octanol/water | No data | |
| Vapour pressure | No data | |
| Density | No data | |
| Relative density | No data | |
| Vapour density | No data | |
| Relative density (sat. air) | No data | |
| Particle characteristics | No data | |

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

None known.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid direct sunlight.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed:
Carbon monoxide and carbon dioxide.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|---|--|
| Acute toxicity - oral: | Ingestion of large quantities may cause discomfort. The product does not have to be classified. Test data are not available. |
| Acute toxicity - dermal: | The product does not have to be classified. Test data are not available. |
| Acute toxicity - inhalation: | The product does not have to be classified. Test data are not available. |
| Skin corrosion/irritation: | May cause slight irritation. The product does not have to be classified. Test data are not available. |
| Serious eye damage/eye irritation: | Irritating to eyes. Causes a burning sensation and tearing. |
| Respiratory sensitisation or skin sensitisation: | The product does not have to be classified. Test data are not available. |
| Germ cell mutagenicity: | The product does not have to be classified. Test data are not available. |
| Carcinogenic properties: | The product does not have to be classified. Test data are not available. |
| Reproductive toxicity: | The product does not have to be classified. Test data are not available. |
| Single STOT exposure: | Inhalation of vapours may cause irritation to the upper airways. |
| Repeated STOT exposure: | The product does not have to be classified. Test data are not available. |
| Aspiration hazard: | The product does not have to be classified. Test data are not available. |

11.2. Information on other hazards

| | |
|---|-------------|
| Endocrine disrupting properties: | None known. |
|---|-------------|

| | |
|-------------------------------------|-------------|
| Other toxicological effects: | None known. |
|-------------------------------------|-------------|

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

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None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water.

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste: EWC code: Depends on line of business and use, for instance 02 01 09 agrochemical waste other than those mentioned in 02 01 08
Absorbent/cloth contaminated with the product: 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

SECTION 14: Transport information

14.1. UN number or ID number: Not applicable.
14.2. UN proper shipping name: Not applicable.
14.3. Transport hazard class(es): Not applicable.

14.4. Packing group: Not applicable.
14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: None.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

| Version | Revision date | Responsible | Changes |
|---------|---------------|--------------------------|---------|
| 1.0.0 | 27/10/2022 | Bureau Veritas HSE / MPE | |

Abbreviations:
PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the

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product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

List of relevant H-statements

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

SDS is prepared by

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