

Safety Data Sheet: NEMAFLO

Compilation date: 15/12/2015
Revision date: 15/12/2015
Revision No: 1

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

1.1. Product identifier

Product name: NEMAFLO
Product code: 69089
Synonyms: C9-C13 ALCOHOLS ETHOXYLATES

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

Use of substance/mixture: As a soil wetting agent.

1.3. Details of the supplier of the safety data sheet

Company name: Turftech International Limited
5 Cable Court, Pittman Way, Fulwood
Preston, Lancashire, PR2 9YW, England
Tel: +44 (0) 1772 704433
Fax: +44 (0) 1772 704477
Email: info@turftech.co.uk

1.4. Emergency Telephone Number

Emergency tel: +44 (0) 7836 72 62 01
(24 hours)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification under CLP: Not a hazardous mixture according to CLP Regulation (EC) No. 1272/2008.

2.2. Label elements

Label elements

Hazard statements:

EUH208: Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE.
May produce an allergic reaction.
EUH210: Safety data sheet available on request.

Precautionary statements:

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face 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

Other hazards: No data available.

PBT: This product is not identified as a PBT/vPvB substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous ingredients:

C13 ALCOHOL ETHOXYLATE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
Polymer	9043-30-5	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%

C9-11 ALCOHOLS ETHOXYLATE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
-	68439-46-3	-	Acute Tox. 4: H302; Eye Irrit. 2: H319	1-10%

1,2-BENZISOTHIAZOLIN-3-ONE=

1,2-BENZISOTHIAZOL-3(2H)-ONE=(BIT)

EINECS	CAS	PBT/WEL	CLP Classification	Percent
220-120-9	2634-33-5	-	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%

4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate/special treatment: Eye bathing equipment should be available on the premises.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Use: Foam, sand, dry chemical, carbon dioxide or water spray.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Non-flammable. If product is present in a fire situation, toxic gases may be evolved. Evacuate area and contact emergency services. Remain upwind and notify those downwind of the potential hazard.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the

contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements: Use good hygiene practices when handling product. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Removed from direct sunlight, oxidising agents, acid, heat sources and food stuffs. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Polypropylene drums and steel drums.

7.3. Specific end use(s)

Specific end use(s): No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL/PNEC: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Based upon current information and in the absence of occupational exposure limits, the use of an organic vapour mask to a minimum standard of EN405FFA1 is recommended.

Hand protection: Chemical protective gloves to a standard EN374 should be provided. Usage periods should not exceed the breakthrough times for the chemical stated by the manufacturer of the gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand. The protection should be capable of giving chemical protection as classified in EN166.

Skin protection: Handling of the material should be done wearing chemical protective clothing suitable for protection against the chemical by Standard EN368.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Colourless
Odour:	Barely perceptible odour
Evaporation rate:	Negligible
Oxidising:	No data available
Solubility in water:	Soluble
Viscosity:	Slightly viscous
Boiling point/range °C:	>100
Melting point/range °C:	No data available
Flammability limits %: lower:	No data available
upper:	No data available
Flash point °C:	>93
Autoflammability °C:	No data available
Part.coeff. n-octanol/water:	No data available
Vapour pressure:	No data available
Relative density:	~1.0
pH:	Approx. 7
VOC g/l:	No data available.

9.2. Other information

Other information: No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.
Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Hazardous ingredients:

C9-11 ALCOHOLS ETHOXYLATE

Route	Species	Test	Value	Units
Irritation of eyes	slaughtered cattle	(BCOP)	32.11	(IVIS)
ORAL	RAT	LD50	300-2000	mg/kg

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Based on in vitro eye irritation test in isolated chicken eyes, the test item NEMAFLO = NEW IMPROVED TILWA was classified as non-irritating, UN GHS Classification: No Category = (No Category under CLP/GHS).

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous ingredients:

C9-11 ALCOHOLS ETHOXYLATE

Species	Test	Value	Units
-	LC/EC/IC50	>1	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

Transport class: This product does not require a classification for transport.

15. REGULATORY INFORMATION

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

EUH208: Contains <name of sensitising substance>.

May produce an allergic reaction.

EUH210: Safety data sheet available on request.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.