



Angus Horticulture Ltd

Polmood, Guthrie, Forfar, DD8 2TW
Telephone: 01241 829049 Fax 01241 829043
Email: sales@angus-horticulture.co.uk

Material Safety Data Sheet

Angus AquaEasy™

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

| | |
|----------------|-----------------|
| Product Name | Angus AquaEasy™ |
| Substance Name | Alkoxylate |

1.2 Relevant identified uses of the Substance or Mixture and uses advised against

| | |
|-----------------|------------------------------|
| Identified Uses | Wetting agent/soil penetrant |
|-----------------|------------------------------|

1.3 Details of the Supplier of the Safety Data Sheet

| | |
|----------|---|
| Supplier | Angus Horticulture Limited Polmood Guthrie FORFAR DD8 2TW +44 (0) 1241 829049 +44 (0) 1241 829043 Sales@angus-horticulture.co.uk |
|----------|---|

1.4 Emergency Contact Number

+44 (0) 1674 674253/674352

SECTION 2 Hazards Identification

2.1 Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label Elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other Hazards

| | |
|--------------|--|
| Skin contact | May irritate skin. |
| Eye contact | May irritate eyes. |
| Ingestion | May cause irritation to mucous membranes. |
| Inhalation | May cause irritation of respiratory tract. |



6.3 Methods and material for containment and cleaning up

Clean-up procedures Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections None.

SECTION 7 Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion Normal measures for preventive fire protection.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

7.2 Condition for safe storage, including any incompatibilities

Requirements for storage areas and containers Store in original container. Keep container tightly closed in a dry well-ventilated place.

Advice on common storage No special restrictions on storage with other products.

Other data Stable under recommended storage conditions.

7.3 Specific end uses(s)

Recommendations N/A.

SECTION 8 Exposure Control/Personal Protection

8.1 Control parameters Contains no substances with occupational exposure limit values.

8.2 Exposure Controls

Personal protective equipment

Eye protection Safety glasses.

Hand protection

Remarks For prolonged or repeated contact use protective gloves.

Skin and body protection Impervious clothing.

Respiratory protection No personal respiratory protective equipment normally required.

Environmental exposure controls

General advice Prevent product from entering drains.

SECTION 9: Physical and Chemical Properties

Appearance Liquid
Colour almost colourless, light yellow.
Odour Mild
Odour threshold No data available
pH 5-7, (as aqueous solution).
Melting point/range -9° C
Initial boiling point and range No data available
Flash point >230° C – Method: Open cup.



| | |
|---------------------------------------|---|
| Evaporation rate | No data available |
| Flammability(solid, gas) | No data available |
| Upper flammability | No data available |
| Lower flammability | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative vapour density | No data available |
| Density | 1.03 g/cm ³ (25 ⁰ C) |
| Solubility(ies) | |
| Water solubility | soluble |
| Solubility in other solvents | soluble |
| | Solvent: ethanol |
| | |
| | Soluble |
| | Solvent: toluene |
| | |
| | Soluble |
| | Solvent: kerosene |
| | |
| | Insoluble |
| | Solvent: ethylene glycol |
| Partition coefficient n-octanol/water | No data available |
| Auto ignition temperature | 390 ⁰ C |
| Thermal decomposition | No data available |
| Viscosity | Dynamic: 420mPa.s (25 ⁰ C) Kinematic: no data available |
| Explosive properties | Classification Code: no data available |
| Oxidising properties | No data available |

9.2 Other information

Surface tension Not determined

SECTION 10 Stability and Reactivity

10.1 Reactivity

No data available.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions

Stable under recommended storage conditions.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Materials to avoid

Strong oxidising agents.

10.6 Hazardous decomposition products

No data available.

SECTION 11 Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Product

Acute - Oral LD50 Oral Rat estimated >5,000 mg/kg

Acute- Inhalation No data available

Acute –Dermal No data available



Skin corrosion/irritation

Product

Species: Rat

Results: No skin irritation

Serious eye damage/irritation

Product

Species: Rabbit

Results: Slight irritation

Respiratory or skin sensitisation

Product

Remarks: No data available.

Germ cell Mutagenicity

Product

Genotoxicity in vitro: Type – Ames test

Result - negative

Carcinogenicity

Product

Test substance: No data available.

Reproductive toxicity

Product

Effect on fertility: Test substance: No test data available.

STOT – single exposure

Product

Assessment: No data available.

Aspiration toxicity

Product

No data available.

Further information

Product

Remarks: No data available.

SECTION 12 Ecological Information

12.1 Toxicity

Product

Toxicity to Fish

LC50 (Oncorhynchus mykiss (rainbow trout)) : >1,000 mg/l

Exposure time: 96h

Test Method: static test

12.2 Persistence and Degradability

Product

Biodegradation - Remarks: Expected to be biodegradable. This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bio-accumulative Potential

Product

Bioaccumulation

Remarks: No data available.

Partition coefficient:

Remarks: No data available.

n-octanol/water



Inventories

AICS (Australia), DSL (Canada), IECSC (China), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA).

15.2 Chemical Safety Assessment

This information is not available.

SECTION 16 Other Information

DISCLAIMER

The information in the safety document applies only to the specific product detailed in Section 1 and is not necessarily correct for use with other chemicals/products.

The product information in this data sheet is, to the best of Angus Horticulture's knowledge, correct at the date of publication.

The Manufacturer or Supplier does not accept liability for any loss or damage resulting from reliance on this information. Final determination of the suitability of any product is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, it cannot be guaranteed that these are the only hazards that exist.

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