

1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

Chemical Family Blend of alkoxy alkylene oxides on a cellulose carrier
Product Description Grey granular material
Use of the Product Turf Wetting Agent
Supplier Details Amega Sciences Inc. 1400 Hamlin Ave. St Cloud, FL 34771 USA /407-944-0453
Emergency Phone Numbers:
For emergencies involving a spill, leak, fire, exposure or accident, contact 407 944 0453 or 24 hours 407 552 8589

2. COMPOSITION / INFORMATION ON INGREDIENTS

Proprietary blend of alkoxy alkylene oxides CAS No 9003-11-16 (9%) on a cellulose carrier

3. HAZARDS IDENTIFICATION

This product is not hazardous according to EC criteria.

4. FIRST AID MEASURES

Inhalation

Remove patient to fresh air.

Skin Contact

Flush with plenty of water and if irritation persists seek medical attention.

Eye Contact

Irrigate the eye with water or eye wash solution and seek medical attention.

Ingestion

If swallowed, rinse with water if the person is conscious. Consult a doctor.

Notes to Physician

Treat as symptomatic.

5. FIRE FIGHTING MEASURES

Material is not flammable, but if involved in a fire could give off carbon monoxide if incomplete combustion occurs.

Suitable Extinguishing Media: Dry chemical powder, carbon dioxide, alcohol resistant foam, water spray of fog, sand or earth.

Special Fire Precautions: Not available

Hazardous Combustion Products: Carbon monoxide may be given off if incomplete combustion occurs.

Fire Fighting Equipment/Protocol: Full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Do not allow product to enter eyes. Avoid inhalation and skin contact.

Environmental Precautions:

Small spills; Avoid washings entering water courses

Large spills: dispose of according to local authority guidelines

Methods for cleaning up:

Small spills; use sand or any suitable medium

Absorb large spillages with sand or any suitable medium.

Refer to Section 13 for disposal of spilled material

7. HANDLING AND STORAGE

Handling Avoid skin and eye contact

Storage Store at ambient temperatures. Keep from freezing

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values; Not available

Occupational Exposure Controls

Respiratory Protection Not necessary unless used in a confined space.

Hand Protection: Not essential but it is always advisable to wear gloves when handling chemicals

Eye Protection: Not essential but it is always advisable to wear goggles when handling chemicals

Skin Protection: Not essential but it is always advisable to wear suitable overalls when handling chemicals

ENVIRONMENTAL EXPOSURE CONTROLS:

Do not contaminate ponds, waterways, lakes or other water bodies.

Dispose of according to local authority guidelines.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Grey granules, negligible
Boiling Point:	Not available
Flash Point	>100°C
Bulk Density:	0.806 kg/l
pH:	7 ± 1
pH of 0.5%:	7 ±1.0
Solubility in Water:	Does not dissolve
Vapour Pressure:	Not measured
Explosive Properties:	Not available
Partition Co-Efficient (log Pow):	Not available
Pour Point:	Not applicable
Oxidising Properties:	Not available
Autoignition temperature:	>220°C
Other information:	Not available

10. STABILITY AND REACTIVITY

Conditions to Avoid: Extremes of temperature
Materials to Avoid: Strong oxidising agents
Hazardous Decomposition Products: None known

11. TOXICOLOGICAL INFORMATION

Oral LD50 (rat) LD50> 5000 mg/Kg
Skin Irritation Not irritant
Inhalation LD50 (rat) Expected to be of low toxicity. LC50>5000 mg/Kg
Dermal LD50 (rabbit) >2000 mg/Kg
Skin sensitisation Not a skin sensitizer
Ingestion May cause nausea. No toxic effect expected. Irritation to the digestive system can occur.
Eye Contact May cause slight transient (temporary) eye irritation

12. ECOLOGICAL INFORMATION

*** Figures quoted below are for the liquid which is sprayed on to the carrier.
Persistence/degradability Readily biodegradable - passes manometric test (OECD Test No.301f) after 28 days>60%
Bioaccumulation - Bioaccumulation is unlikely to occur due to metabolism and excretion
Acute toxicity-fish LC/EC/IC 50 >5000 mg/l
Acute toxicity-algae LC/EC/IC 50 >100 mg/l
Acute toxicity-Daphnia LC/EC/IC 50 >100 mg/l
Toxicity threshold for bacteria is 5,636 mg/l

13. DISPOSAL CONSIDERATIONS

Product: Recover or recycle if possible
For large quantities seek advice from specialist waste disposal company.
Container: Drain container thoroughly. Rinse three times with water. Recover or recycle if possible.

14. TRANSPORT INFORMATION

Product is not classified as hazardous for any mode of transport.

15. REGULATORY INFORMATION

Governing Directive; Dangerous Substances Directive 67/548/EC, as modified.

Symbol	R-phrases	S-phrases
	This product does not require classification according to the criteria of the Commission of the European Communities.	

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating from AmegaA Sciences or not. No warranty is implied. Since conditions of use are beyond AmegaA Sciences control, user assumes all risk.