



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Hydrozone

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PRODUCT CODE: Hydrozone/20

REVISION DATE: March 2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

TRADE NAME

Hydrozone

1.1 Details of the Supplier of the Safety Data Sheet

Supplier

Advance Grass Solutions Ltd
Sterling Way
Tilehurst
READING Berkshire
RG30 6HW
Tel: 0118 3914540
info@advancegrass.com

1.2 Emergency Contact Number

+44 (0) 118 3914540 – Normal hours are 07:30-16:30 Mon-Fri.
+44 (0) 7789 935208 – Out of normal hours only.

APPLICATIONS: Turf wetting surfactant

REGULATORY INFORMATION: These materials are not classified as dangerous for transport or supply.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Names and Synonyms: Block polymers based on ethylene oxide and propylene oxide.

This product is not hazardous to health as defined by the EC Dangerous Substances/Preparations Directives.
See analysis of the ingredients Section 15.

3. HAZARD IDENTIFICATION

No particular hazards known.

4. FIRST AID

GENERAL ADVICE:

Remove contaminated clothing.

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4.FIRST AID Continued:-

SKIN CONTACT:

Wash thoroughly with soap and water.

EYE CONTACT:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

INGESTION:

If ingestion is suspected wash the mouth with water and then drink plenty of water. Do not drink excessive amounts of water.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Water spray, dry extinguishing media, foam, carbon dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS: Harmful vapours. Evolution of fumes/fog.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: see Section 8.

ENVIRONMENTAL PRECAUTIONS:

For spills, shut off source taking normal safety precautions. Prevent liquid from entering sewers, water courses or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation. Large spills should be bounded by a suitable medium such as sand or earth. Small spills should be soaked up with sand or earth.

Recover by skimming or pumping equipment, or contain spilled liquid with booms, sand or other suitable absorbent and remove mechanically into containers.

High risk of slipping due to leakage/spillage of product.

If necessary, dispose of absorbed residues as directed in Section 13.

7. HANDLING AND STORAGE

HANDLING:

Avoid aerosol formation.

Protect against fire and explosion: No special precautions necessary.

STORAGE:

Keep containers tightly closed and dry. Keep in a cool place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTION:

Chemical resistant protective gloves (EN 374). Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time according to EN 374: Nitrile rubber (NBR) – 0.4 mm coating thickness. Safety glasses with side-shields (EN 166)

RESPIRATORY / VENTILATION PROTECTION:

Suitable respiratory protection should be used for higher concentrations or long term effect: Gas filter EN141 Type A for gases/vapour of organic compounds (boiling point >65 deg.C)

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colourless to yellowish liquid

SOLIDIFICATION TEMPERATURE: < minus 25Deg.C

VISCOSITY (DYNAMIC): @ 23 Deg. C: approx. 400mPa.s

pH (5g/100ml water): approx. 7

SOLUBILITY IN WATER: Low

DENSITY @ 23 Deg.C: approx. 1.03 g/cm³

10. STABILITY AND REACTIVITY

Avoid humidity. No hazardous reactions when stored and handled according to instructions. No hazardous decomposition products if stored and handled as indicated.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DATA: The product has not been tested. The acute toxicological results summarised below are based on testing of representative products of similar structure and composition.

SKIN CONTACT: Non irritant by rabbit primary skin irritation test (Draize test)

EYE CONTACT: Non irritant by rabbit primary irritation of the mucous membrane (Draize test).

INGESTION: LD50/oral/rat: >2000 mg/kg

12. ECOLOGICAL INFORMATION

The product is classified as Readily Biodegradable by OECD 301B.

13. DISPOSAL CONSIDERATIONS

Must be dumped or incinerated in accordance with local regulations.

The UK Environmental Protection (Duty of Care) regulations (EP) and amendments should be noted (UK).

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations (ADR RID ADN IMDG/GGVSee ICAO/IATA)

15. REGULATORY INFORMATION

Regulations of the European Union (labelling) / National legislation / Regulations – not subject to labelling.

16. OTHER INFORMATION

Avoid inhalation of fine mists/aerosols from undiluted product or concentrated solutions.

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SOURCE OF KEY DATA:

The recommendations presented in this Material Safety Data Sheet were compiled from actual test data (when available), comparison with similar products, component information from suppliers and from recognised codes of good practice.

The information and recommendations contained herein are, to the best of Advance Grass Solutions knowledge and belief, accurate and reliable as of the date issued, but are offered without guarantee or warranty.

They relate to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.