



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AGS Spray Pattern Blue

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PRODUCT CODE: AGS SP Blue

REVISION DATE: September 2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

TRADE NAME

AGS Spray Pattern Blue

SUPPLIER:

Advance Grass Solutions Ltd
Unit 5 Hogwood farm Ind. Estate
Sheerlands Road
Finchampstead
RG40 4QY
+44 (0) 1183 914450
info@advancegrass.com

APPLICATIONS:

Spray pattern indicator dye

2. HAZARD IDENTIFICATION

Not classified as hazardous

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Names and Synonyms: Triphenylmethane dye, aqueous solution.

4. FIRST AID

GENERAL ADVICE:

Remove contaminated clothing.

SKIN CONTACT:

Wash thoroughly with soap and water.

IF INHALED:



If difficulties occur after vapour/aerosol has been inhaled, removed to fresh air and seek medical attention.

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4.FIRST AID Continued:-

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: Use personal protective clothing - see Section 8.

ENVIRONMENTAL PRECAUTIONS:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/ground waters.

METHODS FOR CLEARING UP:

For large amounts: Pump off product

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. HANDLING AND STORAGE

HANDLING:

No special measures necessary if material is used correctly

Protect against fire and explosion: No special precautions necessary.



STORAGE:

Keep containers tightly closed and dry. Protect from temperatures below 0 deg. C.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTION:

Chemical resistant protective gloves (EN 374). Suitable materials also with prolonged, direct contact (Recommended: Protective index 2, corresponding >480 minutes of permeation time according to EN 374: Nitrile rubber (NBR) – 0.4 mm coating thickness., chloroprene rubber – 0.5mm coating thickness, polyvinylchloride – 0.7mm coating thickness. Safety glasses with side-shields (EN 166)

RESPIRATORY /VENTILATION PROTECTION:

Respiratory protection in case of vapour/aerosol release: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Intense Blue liquid
SOLIDIFICATION TEMPERATURE:	0°C
pH (5g/100ml water):	3.5-4.5
SOLUBILITY IN WATER:	Miscible
DENSITY @ 23°C	Approx. 1.2 g/cm ³
FLASH POINT:	>100°C

10. STABILITY AND REACTIVITY

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 statement has been derived from the properties of the individual components
SKIN CONTACT:	Non irritant by rabbit primary skin irritation test
EYE CONTACT:	Non irritant by rabbit primary irritation
INGESTION:	LD50/oral/rat: >5000 mg/kg



12. ECOLOGICAL INFORMATION

The product has not been tested. The statements have been derived from the properties of individual components.

TOXICITY TO FISH: LC50 (96h) >1000mg/L *Oncorhynchus mykiss*
LC50 (96h) >220-460 mg/L *Leuciscus idus*
LC0 (48h) 100mg/L *Leuciscus idus*

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12. ECOLOGICAL INFORMATION cont

AQUATIC INVERTEBRATES:

EC50 (48h) >100mg/L *Daphnia magna*

MICROORGANISMS/EFFECT ON ACTIVATED SLUDGE:
EC10 >10000mg/L

PERSISTENCE AND DEGRADATION:
Elimination <10%

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 ADNR, ICAO/IATA)

15. REGULATORY INFORMATION

The product does not require a hazard warning label in accordance with EC Directives.



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16. OTHER INFORMATION

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 GBR Technology's 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.