

# SAFETY DATA SHEET

## SPASOR BIACTIVE

0000 1.00 GB Current 08.12.2000

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

Trade Name	SPASOR BIACTIVE
Product (Specification) Code	0000
Aventis CropScience Product Code	None known.
Usage	Solution concentrate (water based) Herbicide
Appearance	Brown liquid
Manufacturer/Supplier	Bayer Environmental Science
Address	Durkan House 214-224 High Street Waltham Cross Hertfordshire EN8 7DP
Phone Number	01992 784270
Fax Number	01992 784276
Emergency Phone Number	0800 220876 (24 hr UK) +44 1603 242424 (24 hr Overseas)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components in Product for EC

Component Name	CAS No	Conc. %w/w	R Phrases	Classification
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1. Glyphosate-isopropylamine

38641-94-0

41.50

### 3. HAZARDS IDENTIFICATION

Main Hazards	Not classified as hazardous.
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### 4. FIRST-AID MEASURES

Eyes	Rinse immediately with clean water for at least 15 minutes and obtain medical aid.
Skin	Carefully remove contaminated clothing. Wash affected area with soap and water. Seek medical aid if at all worried.
Ingestion	Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek medical advice.
Inhalation	If inhaled, remove to fresh air and keep at rest. Obtain medical aid if at all worried.
Advice to Physicians	Please note that Glyphosate isopropylamine is NOT a cholinesterase inhibiting compound. Brief Summary of Symptoms and Signs: Local Contamination: Very slight skin and eye irritation. Systemic Poisoning: No symptoms reported. Treatment: Local Contamination: Symptomatic after decontamination. Treat as documented above under 'First-Aid Measures'. Systemic Poisoning: Initial treatment should be symptomatic and supportive. Contraindications: Atropine , Oximes . Further advice is available from; Bayer Environmental Science via the emergency telephone number above or from the nearest Poisons Unit.

### 5. FIRE-FIGHTING MEASURES

Extinguishing Media	Product is not combustible. If product is involved in a fire, use waterspray, foam, dry powder, carbon dioxide or sand.
Unsuitable Extinguishing Media	None.

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### 5. FIRE-FIGHTING MEASURES (continued)

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<b>Special Exposure Hazards</b>	May give off toxic fumes if heated to decomposition.
<b>Protective Equipment for Fire-Fighting</b>	Do not breathe fumes. Wear self contained breathing apparatus.
<b>Fire Fighting Guidance</b>	If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Whenever possible, contain fire-fighting water by bunding area with sand or earth.

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### 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal Precautions</b>	Avoid contact with spilled material or contaminated surfaces. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in Section 8.
<b>Environmental Precautions</b>	Keep people and animals away. Prevent entry into drains, sewers and watercourses. In the UK if spillage enters drains leading to sewage works inform local water company plc immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060). Overseas, inform the appropriate authority immediately.
<b>Spillages</b>	Contain/absorb spillage in sand/earth or in a suitable inert material. Transfer collected material to heavy duty plastic drums and keep safe for disposal.
<b>Note</b>	Check also for any local site procedures in force.

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### 7. HANDLING AND STORAGE

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<b>Handling</b>	No specific precautions required when handling unopened containers; follow any relevant manual handling guidance. Refer to Section 8 if exposure to product is possible. Wash thoroughly with soap and water after handling and before eating, drinking or smoking.
<b>Storage</b>	Store in original packs/containers in a dry secure area designated for pesticides with access for authorised staff only. Store away from seeds, fertilizers and animal feedstuffs.
<b>Technical Storage Measures</b>	Protect from frost.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Occupational Exposure Standards</b>	
<b>1. Product</b>	None assigned.
<b>Engineering Control Measures</b>	Refer to any applicable COSHH assessments. Engineering controls should be used where practicable in preference to personal protection.
<b>Respiratory Protection</b>	None required when handling the product.
<b>Hand Protection</b>	Wear chemical resistant PVC or nitrile gloves.
<b>Eye Protection</b>	Wear safety goggles with unperforated side shield or goggles (conforming to BS EN 166 or BS 2092 for older goggles).
<b>Other</b>	Wear PVC or chemical resistant disposable overalls and PVC boots.
<b>Other Information</b>	If feasible, decontaminate protective clothing before removal. Where decontamination is not feasible (before or after removal) dispose of as contaminated waste.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State</b>	Liquid.
<b>Colour</b>	Brown.
<b>Odour</b>	Characteristic.
<b>pH</b>	4.6 to 5.0 at 8% w/w in water.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

<b>Boiling Range/Point (deg C)</b>	Not determined.
<b>Melting Point/Freezing Point (deg C)</b>	Not determined.
<b>Flash Point (deg C)</b>	Non-combustible.
<b>Explosion Limits (%)</b>	None.
<b>Solubility in Water</b>	Miscible.
<b>Vapour Pressure</b>	Not determined.
<b>Density (g/ml)</b>	1.17 at 20 °C.
<b>Flammability</b>	Not combustible
<b>Auto-flammability (deg C)</b>	Not applicable
<b>Explosive Properties</b>	None.
<b>Oxidising Properties</b>	None.
<b>Vapour Density (Air = 1)</b>	As for water
<b>Dust Explosion Data</b>	Not applicable
<b>Summary/Other Data</b>	A non-combustible liquid.

### 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable at ambient conditions.
<b>Conditions to Avoid</b>	None in particular.
<b>Materials to Avoid</b>	None under normal conditions of use.

### 11. TOXICOLOGICAL INFORMATION

<b>Inhalation</b>	Low toxicity.
<b>Skin and Eye Contact</b>	Low toxicity; rat dermal LD50 > 5000 mg/kg. Slight and reversible irritant to rabbit eyes (labelling not indicated). Not irritating to rabbit skin. Negative in a guinea pig skin sensitisation test.
<b>Ingestion</b>	Low toxicity; rat oral LD50 > 5000 mg/kg.
<b>Carcinogenicity</b>	Data given in this section are for the active ingredient: Not carcinogenic.
<b>Genotoxicity</b>	Data given in this section are for the active ingredient: Not mutagenic.
<b>Reproductive Toxicity</b>	Data given in this section are for the active ingredient: Not teratogenic. No reproductive effects.

### 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	Data given in this section are for the active ingredient: Binds strongly to soil.
<b>Persistence/Degradability</b>	Data given in this section are for the active ingredient: Soil DT50 2 to 174 days. Water DT50 < 7 days.
<b>Bio-accumulation</b>	Data given in this section are for the active ingredient: Bio-accumulation factor is; < 1 bluegills . Not expected to bioaccumulate.
<b>Aquatic Toxicity</b>	Product; 96 hr LC50 rainbow trout > 989 mg/l, carp 895 mg/l, 48 hr EC50 daphnia 676 mg/l, 72 hr EbC50 algae 150 mg/l. Glyphosate; 96 hr LC50 rainbow trout > 1000 mg/l, bluegill sunfish > 1000 mg/l, 48 hr EC50 daphnia 930 mg/l, 72 hr EC50 algae 72.9 mg/l.
<b>Other Toxicity</b>	Product; Low toxicity to the following species; bees and earthworms . Glyphosate; Low toxicity to the following species; earthworms and other beneficial insects .

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### 13. DISPOSAL CONSIDERATIONS

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<b>Product Disposal</b>	Disposal of product would usually be by incineration in an appropriately licensed commercial incinerator. Small quantities may be accepted in licensed landfill sites. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK). In the UK disposal arrangements should be in accordance with the Duty of Care Regulations and, where applicable, with the Special Waste Regulations.
<b>Container Disposal</b>	Lightly contaminated packaging may be acceptable for landfill, otherwise incineration will be required. See above for advice.

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### 14. TRANSPORT INFORMATION

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<b>UN Number</b>	Not dangerous for transport
<b>UN Proper Shipping Name</b>	Not dangerous for transport
<b>UN Class</b>	Not dangerous for transport
<b>UN Packaging Group</b>	Not dangerous for transport
<b>ADR/RID - Description</b>	Not dangerous for transport
<b>CDG(CPL) - Description</b>	Not dangerous for transport
<b>IMDG - Proper Shipping Name</b>	Not dangerous for transport
<b>IMDG - Ems Number</b>	None.
<b>IMDG - MFAG Table Number</b>	None.
<b>ICAO - Proper Shipping Name</b>	Not dangerous for transport

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### 15. REGULATORY INFORMATION

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<b>Risk symbol</b>	<input type="checkbox"/> None
<b>Hazard Classification</b>	Not classified
<b>Designated Name</b>	Spasor Biactive (contains glyphosate isopropylamine 480 g/l )
<b>R phrases</b>	Not classified
<b>S phrases</b>	36/37-Wear suitable protective clothing and gloves. 45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Control of Pesticides Regulations 1986: Precautions</b>	WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND RUBBER BOOTS when using hand held rotary atomisers or weed wipers. DO NOT CONTAMINATE surface waters or ditches with chemical or used container. WASH HANDS AND EXPOSED SKIN before meals and after work. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS. KEEP OUT OF REACH OF CHILDREN. KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place. WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

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### 16. OTHER INFORMATION

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<b>MSDS first issued</b>	8 December 2000
<b>MSDS data revised</b>	

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### 16. OTHER INFORMATION (continued)

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#### Footnote

This Safety Data Sheet was prepared in compliance with Commission Directive 93/112/EC, 67/548/EEC and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

#### Disclaimer

The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the substance or product for which purposes the substance or product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted for any injury loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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