

# Sharda International Africa (Pty) Ltd

P.O. Box 82021, Southdale, 2135, South Africa.

Tel: 031 764 3011,

Email: rsa.regn@shardaintl.com, Website: <http://www.shardaintl.com>

(Co. Reg. No. 2010/002268/07)

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## SAFETY DATA SHEET "SPYRO 915 EC"

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Name of Product:** "Spyro 915 EC"

**Active Ingredient:** S-Metalochlor 915 EC

**Product Use:** Herbicides

**Registration holder:** Sharda International Africa (Pty)Ltd

**Address:** P.O. Box 82021, Southdale, 2135

**Contact Tel. No.:** 031-764 3011

**Poison Centres:** UNITAS Hospital: 0800-111-9900  
Tygerberg Hospital: 021-931-6129  
Netcare 911: 082911

### 2. HAZARDS IDENTIFICATION

May cause sensitization by skin contact.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Chemical Name	CAS-No.	EC-No. (REACH Regis- tration Number )	Symbol(s)	R-pharse(s)	Concentration
S-metolachlor	87392-12-9		Xi, N		984.89 g/l
benoxacor	98730-04-2		Xi, N		45 g/l
Benzenesulfonic acid, C10-13- (linear)alkyl derivs., calcium salt	List Number : 932-231-6				63.122 g/l

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2-ethylhexan-1-ol	104-76-7				
Poly(oxy-1,2-ethanediyl), .alpha.-[tris(1-phenylethyl)phenyl]-.omega.-hydroxyl 99734-09-5 R52/5371.18 g/l	99734-09-5				71.18 g/l

## 4. FIRST AID MEASURES

### Description of first aid measures

#### General information:

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### Inhalation:

Move the victim to fresh air.

If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest.

Call a physician or poison control Centre immediately.

#### Skin contact:

Take off all contaminated clothing immediately. Wash off immediately with plenty of water.

If skin irritation persists, call a physician.

Wash contaminated clothing before re-use.

#### Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses.

Immediate medical attention is required.

#### Ingestion:

If swallowed, seek medical advice immediately and show this container or label.

Do not induce vomiting: contains petroleum distillates and/or aro-matic solvents.

#### Medical advice:

There is no specific antidote available. Treat symptomatically.

Do not induce vomiting: contains petroleum distillates and/or aro-matic solvents.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media:

Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires Alcohol-resistant

Foam or Water spray

### Extinguishing media which shall not be used for safety reasons:

Do not use a solid water stream as it may scatter and spread fire.

### Specific hazards during firefighting:

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smoke

As the product contains combustible organic components, fire will produce dense black containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.

## **Special protective equipment for fire-fighters:**

Wear full protective clothing and self-contained breathing apparatus.

## **Further information:**

Do not allow run-off from firefighting to enter drains or water courses.

Cool closed containers exposed to fire with water spray.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions:**

Prevent further leakage or spillage if safe to do so.

Do not flush into surface water or sanitary sewer system.

### **Methods for cleaning up:**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national Regulations (see section 13).

### **Additional advice:**

If the product contaminates rivers and lakes or drains inform respective authorities.

## **7. HANDLING AND STORAGE**

### **HANDLING**

Advice on safe handling

No special protective measures against fire required.

Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

For personal protection see section 8.

### **STORAGE**

Requirements for storage areas and containers

No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Components with workplace control parameters**

Components	Exposure limit(s)	Type of exposure limit
S-metolachlor	10 mg/m <sup>3</sup>	8 h TWA
benoxacor	1 mg/m <sup>3</sup>	8 h TWA

### **ENGINEERING MEASURES**

Containment and/or segregation is the most reliable technical protection measure if exposure cannot

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be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapors are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

## **PERSONAL PROTECTIVE EQUIPMENT**

### **Protective measures:**

The use of technical measures should always have priority over the use of personal protective equipment.

When selecting personal protective equipment, seek appropriate professional advice.

Personal protective equipment should be certified to appropriate standards.

### **Respiratory protection:**

Eye protection is not usually required.

Follow any site specific eye protection policies.

### **Eye protection:**

No personal respiratory protective equipment normally required. A particulate filter respirator may be necessary until effective technical measures are installed.

### **Skin and body protection:**

Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation / penetration characteristics of the clothing material.

Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc.)

### **Wear as appropriate:**

impervious protective suit

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state:	liquid
Form:	liquid
Colour light:	brown to dark brown red
pH:	4 - 8 at 1 % w/v
Flash point:	> 70 °C
Density:	1.115 g/cm <sup>3</sup> at 20 °C

## **10. STABILITY AND REACTIVITY**

### **Hazardous decomposition products**

Combustion or thermal decomposition will evolve toxic and irritant vapors.

### **Hazardous reactions**

None known.

Hazardous polymerization does not occur.

Stable under normal conditions.

## **11. TOXICOLOGICAL INFORMATION**

**Acute oral toxicity:** LD50 Rat, > 2,000 mg/kg

GHS-  
Classification  
None

The toxicological data has been taken from products of similar composition.

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<b>Acute inhalation toxicity:</b>	LC50 Rat, > 3.06 mg/l, 4 h GHS- Classification None The toxicological data has been taken from products of similar composition.
<b>Acute dermal toxicity:</b>	LD50 Rabbit, > 2,020 mg/kg GHS- Classification None The toxicological data has been taken from products of similar composition.
<b>Skin irritation:</b>	Rabbit: Slightly irritating GHS- Classification None The toxicological data has been taken from products of similar composition.
<b>Eye irritation:</b>	Rabbit: Mildly irritating GHS- Classification GHS- Classification None None The toxicological data has been taken from products of similar composition.
<b>Sensitisation:</b>	guinea pig: A skin sensitizer in animal tests. GHS- Classification Category 1 The toxicological data has been taken from products of similar composition.
<b>Long term toxicity</b> <b>S-metolachlor:</b>	Did not show carcinogenic, teratogenic or mutagenic effects in Animal experiments.
<b>Benoxacor:</b>	Did not show carcinogenic, teratogenic or mutagenic effects in Animal experiments.

## **12. ECOLOGICAL INFORMATION**

### **Stability in water**

#### **S-metolachlor:**

Degradation half-life: 53 - 147 d  
S-metolachlor is not persistent in water.

#### **Benoxacor:**

Degradation half-life: 2 - 3 d at 20 °C  
Benoxacor is not persistent in water.

### **Stability in soil**

#### **S-metolachlor:**

Degradation half-life: 12 - 46 d  
S-metolachlor is not persistent in soil.

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<b>Benoxacor:</b>	Degradation half-life: 0.9 - 5.3 d Benoxacor is not persistent in soil.
<b>Mobility</b>	
<b>S-metolachlor:</b>	S-metolachlor has medium mobility in soil.
<b>Benoxacor:</b>	Benoxacor has medium mobility in soil.
<b>Bioaccumulation</b>	
<b>S-metolachlor:</b>	S-Metolachlor does not bioaccumulate.
<b>Benoxacor:</b>	Benoxacor does not bioaccumulate.

## ECOTOXICITY EFFECTS

<b>Toxicity to fish:</b>	LC50 Oncorhynchus mykiss (rainbow trout), 7.6 mg/l , 96 h GHS-Classification Category 2 Based on test results obtained with similar product.
<b>Toxicity to daphnia and other aquatic invertebrates:</b>	EC50 Daphnia magna Straus, 19.8 mg/l , 48 h GHS-Classification Category 3 Based on test results obtained with similar product.
<b>Toxicity to algae:</b>	EbC50 Pseudokirchneriella subcapitata (green algae), 0.025 mg/l , 72 h ErC50 Pseudokirchneriella subcapitata (green algae), 0.1 mg/l , 72 h GHS-Classification Category 1 Based on test results obtained with similar product.

## **13. DISPOSAL CONSIDERATIONS**

<b>Product:</b>	Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
<b>Contaminated packaging:</b>	Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## **14. TRANSPORT INFORMATION**

### Land transport

ADR/ RID:

UN-Number: 3082

Class: 9

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Labels: 9  
Packaging group : III  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(S-METOLACHLOR )  
Environmentally hazardous: Environmentally hazardous

## **Sea transport**

IMDG:  
UN-Number: 3082  
Class: 9  
Labels: 9  
Packaging group: III  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(S-METOLACHLOR )  
Marine pollutant : Marine pollutant

## **Air transport**

IATA-DGR  
UN-Number: 3082  
Class: 9  
Labels: 9  
Packaging group: III  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(S-METOLACHLOR )

## **15. REGULATORY INFORMATION**

### **Labelling according to EC Directives**

Hazardous components which must be listed on the label:

- S-metolachlor
- benoxacor