

# SAFETY DATA SHEET for Osiryl

## SECTION 1 Identification of Substance / Preparation and of the Company / Undertaking

This Safety Data Sheet conforms to Regulation (EC) No 1030003, Annex II and its amendments.

**1.1 Product Identification:** Osiryl

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:**

**Relevant Identified Uses of the Mixture:** EU amendment for use on amenity turf, and soil growing mediums.

**Product use:** market gardening, viticulture, nurseries, arboriculture, horticulture, large cultivated areas, green spaces

**1.3 Details of the Supplier of the Safety Data Sheet:**

|                        |                         |               |  |
|------------------------|-------------------------|---------------|--|
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## SECTION 2 Composition / Information on Ingredients:

Chemical Name: Cationic sulfonated carboxyl polymer

Chemical family: Ammonia salt of organic sulfonic acid

Other components: Sulphur dioxide SO<sub>2</sub>

Classification: Non classified

## SECTION 3

### Hazards Identification

*Potential health effects:* NFPA; no or few hazards through skin contact *Environmental effects:* Product and ingredients are not considered hazardous with regard to the RTMDR regulation.

(ICDGR: European agreement on International Carriage of Dangerous Goods by Road). Avoid contact with ground water aquifers and low flow streams. May cause an increase in BOD and COD in case of highly concentrated spill in the environment.

*Special hazards:* No special identified risk

*Cautionary statements:* S 26, S 35, S36/37/39, S 61 (see statements, appendix IV decree dated 9/11/04)

### 4. FIRST AID MEASURES

**Inhalation:** If any symptoms appear, withdraw from contaminated area and remove into fresh air. If symptoms persist, consult a physician.

**Skin contact:** a prolonged contact may cause slight irritation with very sensitive persons. Rinse thoroughly skin with plenty of water.

**Eye contact:** Immediately hold eyelids wide open and wash eyes thoroughly for 15mn; if irritation is persists, consult a specialist.

**Ingestion:** No major hazard; non edible; drink plenty of non-mineral water. Do not induce vomiting; do not give anything to drink to an unconscious person. Call a physician in case of doubt or if symptoms persist.

### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Non-inflammable and stable below 200°C. Use medium appropriate to surrounding fire. In case of fire spreading out to surroundings, all extinguishing means are allowed.

**Special prevention procedures:** Wear protective clothing and self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Follow the safety measures as described in the other paragraphs (*wearing of protective goggles and gloves, washing work clothes after use*)

**Special steps to be taken after release or spilling:** Collect and transfer into appropriate container. Cleaning procedures: Sweep up or spread over sand, sawdust or earth to help absorb a maximum amount of product; wash the place thoroughly with water.

### 7. HANDLING AND STORAGE

**Handling:** Wear protective gloves and safety goggles. *Technical measures:* Avoid reactive substances: see §10

**Precautions:** Transfer to container by pump or gravity. Use equipment made of materials compatible with the product.

Storage procedures: Storage conservation: between 15°C and 50°C avoid too low temperatures (<0°C) and heat (> 50°C)

Incompatible materials: see §10 Packaging materials: plastic, stainless steel, fibreglass reinforced polyester resin.

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

*Exposure limits:* Not determined

*Respiratory protection:* None required

*Hand protection:* Wear suitable waterproof chemical resistant gloves (PVC, neoprene, rubber) . Wash thoroughly exposed parts with water and soap.

*Eye protection:* Avoid eye contact. Wear waterproof safety glasses during operations with possible exposure risks. *Skin protection, specific health*

*measures:* if physical contact is to last a long time, wear PVC, neoprene boots. Wash contaminated equipment in tepid water.

*Ingestion:* Do not eat, drink or smoke when using the product. Do not swallow. Keep out of children's reach.

## SAFETY DATA SHEET for OsiryI

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Viscous liquid  
Colour: Black - Odour: Light - pH 3-5  
Freezing point: around - 15°C  
Boiling point: 101 °C to 102 °C  
Flammability: Non flammable  
Flash point: Not applicable  
Auto ignition point: Not applicable  
Explosive limits in air: Not applicable  
Solubility: Water soluble, not soluble in organic solvents  
Specific gravity: at 25 °C 1.23

### 10. TRACEABILITY AND REACTIVITY

Stability: Stable in normal conditions of use.  
Conditions to avoid: Prolonged contact with skin and heating the product, take all the necessary steps to avoid contaminating water used for human drinking.  
Incompatible materials: Concentrated acids, strong bases, strong oxidants. Do not mix with strong base, especially lime and potash  
Hazardous decomposition products: sulphur dioxide, can generate ammoniac in basic medium.

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity: non toxic  
Local effects: none irritating  
Sensitization: no data  
Chronic toxicity: not proved  
Long-term toxicity: not proved  
Specific effects: no data

**All skin and eye irritation tests carried out on the product have shown it was none irritating.**

### 12. ECOLOGICAL INFORMATION

Mobility: very slow air degradation, highly water soluble and mobile, soluble and mobile in soil  
Persistence and degradability: slow biodegradability in aerobic medium, methanization in anaerobic medium  
Bioaccumulation: non bioaccumulable  
Ecotoxicity: non identified BOD 140 kg/T, COD 740kg/T

### 13. DISPOSAL CONSIDERATIONS

Product: Diluted in water in order to restrict BOD and COD. If sawdust has been used to contain spilling, have the contaminated product incinerated in conformity with the local regulations Waste, packs and bags disposal:  
Rinse thoroughly with water; collection and disposal through companies specialised in plastics recycling ( LDPE bags). Emptied and cleaned containers can be reused, recycled or disposed of in conformity with the local regulations.

### 14. TRANSPORT INFORMATION

**RTMDR (ICDGR: European agreement on International Carriage of Dangerous Goods by Road) : Not regulated or required.**

**15. REGULATORY INFORMATION:** The current regulations shall be respected.

### 16. OTHER

Meaning of cautionary statements related to the product:

S 26: In case of eye contact, wash eyes thoroughly with water and consult a specialist.

S 35: Do not dispose of product and its container unless the usual precautions have been taken.

S 36/37/39: Wear appropriate protective clothing, gloves and suitable equipment for eye and face protection.

S 61 Avoid disposal in open field or environment. Follow special instructions/ safety data sheet This data sheet completes the technical sheets but does not replace them. The information herein is based on the present state of the manufacturer's knowledge for the concerned product, at the date of publication of this document. It has been given to the best of our belief. The attention of the user is drawn to the possible risks incurred when a product is used for any other purpose than that for which it was intended. It does not in any case exonerate the user from knowing and applying all the regulations governing his activity. He will be only liable for the precautions regarding the use he has made of the product.

### SECTION 16 Other Information

The above information is intended to give 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 product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, 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 to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of his use thereof.