

## SAFETY DATA SHEET

### according to Regulation (EC) No 1907/2006 (REACH)

## Dulas

Creation date: 25/06/ 2021

Revision: 0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier:

Product name Dulas

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Horticultural & agricultural plants and crops

##### 1.3 Details of the supplier of the Safety Data Sheet

Company SouthWest Agronomy Ltd  
 Address Unit 5a Pitts Cleave Industrial Estate  
 Tavistock  
 Devon PL19 0NT

Telephone 07900 692052

Email enquiries@swagronomy.com

##### 1.4 Emergency telephone number

Emergency telephone 07900 692052

#### SECTION 2: Hazard identification

##### 2.1 Classification of the substance or mixture

2.1.1 Classification - 1999/45/EC  
 Xn; R22 Xi; R36/38  
 Symbols: Xn: Harmful

Main hazards Harmful if swallowed. Irritating to eyes and skin

2.1.2 EC 1272/2008 Acute Tox. 4: H302; Skin Irritation 2: H315; Eye Irritation 2: H319

##### 2.2 Label elements

##### Hazard pictograms



##### Signal word

Warning

##### Hazard statement

Acute Tox. 4: H302 - Harmful if swallowed  
 Skin Irritation 2: H315 - Causes skin irritation  
 Eye Irritation 2: H319 - Causes serious eye irritation

##### Precautionary statement: Prevention

P264 - Wash thoroughly after handling  
 P270 - Do not eat, drink, or smoke when using this product  
 P280 - Wear protective gloves, clothing, eye, and face protection

##### Precautionary statement: Response

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell.  
 P302+P352 - IF ON SKIN: Wash with plenty of water/ .  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321 - Specific treatment (see on this label).  
 P330 - Rinse mouth.  
 P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.

##### Precautionary statement: Disposal

P501 - Dispose of contents/container according to local regulations

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### 67/548/EEC / 1999/45/EC

Chemical name	Index no.	CAS no.	EC No.	REACH Registration No.	Conc. (%w/w)	Classification	M-factor
Iron (II) Sulphate heptahydrate		7782-63-0	231-753-5		30-40%	Xn; R22 Xi; R36/38	

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Inhalation</b>	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	May cause irritation to eyes.
<b>Skin contact</b>	May cause irritation to skin.
<b>Ingestion</b>	May cause irritation to mucous membranes.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Inhalation</b>	Inhalation of vapour may cause shortness of breath. Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Rinse immediately with plenty of water. Wash with soap and water. Caution - substance not yet fully tested. May cause irritation to mucous membranes.
<b>Skin contact</b>	Inhalation of vapour may cause shortness of breath. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Rinse immediately with plenty of water. Wash with soap and water. Caution - substance not yet fully tested. May cause irritation to mucous membranes.

## SECTION 5: Fire fighting measures

### 5.1. Extinguishing media

	Carbon dioxide (CO <sub>2</sub> ).
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### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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### 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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### 6.2. Environmental precautions

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	Do not allow product to enter drains. Prevent further spillage if safe.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Approved safety goggles.
Eye / face protection	Wear chemical protective clothing.
Skin protection - Hand protection	Chemical resistant gloves (PVC).
Respiratory protection	Wear: Suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

### 9.1 Physical & chemical properties

Physical state	Liquid
Form	Liquid
Colour	Dark brown
Odour	Faint metallic/sweet
Odour threshold	No data available
pH	1.4 - 2.5
Freezing point	-5°C
Boiling point	89°C
Flash point	> 96°C
Evaporation rate	Not determined
Flammability	Not determined
Upper explosive limit	No data available
Lower explosive limit	No data available
Vapour pressure	< 17 mm Hg
Vapour density	> 1
Specific gravity	1.36 g/mL
Solubility	Soluble in water
Partition n-octanol/water	No data available
Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

## SECTION 10: Stability and reactivity

### 10.2 Chemical stability

	Stable under normal conditions
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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity	Toxic to aquatic life
Skin corrosion/irritation	May cause irritation to skin. May cause irritation to eyes.
Serious eye damage/irritation	No data is available on this product.
Respiratory or skin sensitisation	May cause sensitisation by inhalation and skin contact.
Germ cell mutagenicity	No data is available on this product. No data is available on this product.
Carcinogenicity	May cause sensitisation by inhalation and skin contact.

#### 11.1.2 Mixtures

	No data is available on this product.
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#### 11.1.3 Hazard information

	Irritating to eyes and skin
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#### 11.1.4 Toxicological information

Iron (II) Sulphate Heptahydrate	Oral Rat LD50: 500 mg/kg    Oral Mouse LD50: 1.52 mg/kg
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## SECTION 12: Ecological information

### 12.1 Toxicity

Iron (II) Sulphate Heptahydrate	Poecillia reticulata LC50/96h: 925 mg/L Cyprinus carpio LC50/96h semi static: 0.56 mg/L Daphnia magna EC50/48h: 152 mg/L Daphnia magna EC50/48h static: 6.15 - 9.26 mg/L
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### 12.3 Bioaccumulative potential

Partition coefficient	Iron (II) Sulphate Heptahydrate No data available
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## SECTION 13: Disposal considerations

### General information

	Dispose of in compliance with local and national regulations
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### Disposal methods

	Contact a licensed waste disposal company
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### Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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## SECTION 14: Transport information

### In accordance with ADR/RID/ADNR/IMDG/ICAO/IATA

	The product is not classified as dangerous for transport
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## SECTION 15: Regulatory information

### 15.1 Safety legislation specific for the substance or mixture

15.1.1 EU Regulations	No restrictions according to Annex XVII of REACH. Does not contain REACH candidate substances.
15.1.2 National regulations	No information available
15.2 Chemical safety assessment	No information available

**SECTION 16: Other information**

**Other information**

**Text of risk phrases in Section 3**

R22 - Harmful if swallowed.  
 R36/38 - Irritating to eyes and skin.  
 R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 Acute Tox. 4: H302 - Harmful if swallowed.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

**Text of Hazard phrases in Section 3**

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**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage, and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.