



## SAFETY DATA SHEET

DOFF ADVANCED CONCENTRATED WEEDKILLER 90G/L SACHET

Page: 1

Compilation date: 03/08/2017

Revision date: 10/10/2017

Revision No: 2

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

#### 1.1. Product identifier

**Product name:** DOFF ADVANCED CONCENTRATED WEEDKILLER 90G/L SACHET

**Product code:** F-FW (S)

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

**Use of substance / mixture:** SU 21 - Consumer Uses. Herbicide

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Doff Portland Limited

Aerial Way

Hucknall

Nottingham

NG15 6DW

UK

**Tel:** +(44) 115 9834 300

**Email:** [help@doff.co.uk](mailto:help@doff.co.uk)

#### 1.4. Emergency telephone number

**Emergency tel:** +(44) 115 9834 300

### Section 2: Hazards identification

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

**Classification under CLP:** Aquatic Chronic 3: H412; -: EUH401

**Most important adverse effects:** Harmful to aquatic life with long lasting effects. To avoid risks to human health and the environment, comply with the instructions for use.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H412: Harmful to aquatic life with long lasting effects.

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

**Precautionary statements:** \* P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

[cont...]

# SAFETY DATA SHEET

DOFF ADVANCED CONCENTRATED WEEDKILLER 90G/L SACHET

Page: 2

P280: Wear protective gloves & eye protection.

P302+350: IF ON SKIN: Gently wash with plenty of soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical attention.

P391: Collect spillage.

P501: Dispose of contents/container to Local authority regulations.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### GLYPHOSATE (ISO)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
213-997-4	1071-83-6	-	Eye Dam. 1: H318; Aquatic Chronic 2: H411	5-10%

##### 2-AMINOPROPANE

200-860-9	75-31-0	-	Flam. Liq. 1: H224; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315	1-3%
-----------	---------	---	--	------

##### QUATERNARY AMMONIUM COMPOUND

-	-	-	Skin Corr. 1A: H314; Eye Irrit. 2: H319; Aquatic Chronic 3: H412	1-3%
---	---	---	--	------

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** \* Bathe the eye with running water for 15 minutes. If irritation persists seek medical attention.

**Ingestion:** \* Wash out mouth with water. Do not induce vomiting.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** \* There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

# SAFETY DATA SHEET

DOFF ADVANCED CONCENTRATED WEEDKILLER 90G/L SACHET

Page: 3

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

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** \* This product is not combustible, however, combustion of the packaging will generate toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** \* Store in a cool, well ventilated area. Keep container tightly closed. KEEP OUT OF THE REACH OF CHILDREN.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

[cont...]

# SAFETY DATA SHEET

DOFF ADVANCED CONCENTRATED WEEDKILLER 90G/L SACHET

Page: 4

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**2-AMINOPROPANE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	12 mg/m <sup>3</sup>	48 mg/m <sup>3</sup>	-	-

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Characteristic odour

**Solubility in water:** Soluble

**Boiling point/range°C:** 106

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

[cont...]

# SAFETY DATA SHEET

DOFF ADVANCED CONCENTRATED WEEDKILLER 90G/L SACHET

Page: 5

## 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

## 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
Oral	Rat	LD50	>2000	mg/kg
Dermal	Rat	LD50	>2000	mg/kg

#### Hazardous ingredients:

##### GLYPHOSATE (ISO)

ORL	MUS	LD50	1568	mg/kg
ORL	RAT	LD50	4873	mg/kg

##### 2-AMINOPROPANE

IPR	RAT	LDLO	50	mg/kg
ORL	MUS	LD50	2200	mg/kg
ORL	RAT	LD50	111	mg/kg

##### QUATERNARY AMMONIUM COMPOUND

DERMAL	RAT	LD50	600	mg/kg
--------	-----	------	-----	-------

#### Excluded hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	-	Based on available data the classification criteria are not met
Serious eye damage/irritation	-	Based on available data the classification criteria are not met
Respiratory/skin sensitisation	-	Based on available data the classification criteria are not met

## Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** \* There may be irritation and redness. The eyes may water profusely.

[cont...]

# SAFETY DATA SHEET

DOFF ADVANCED CONCENTRATED WEEDKILLER 90G/L SACHET

Page: 6

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:**

Species	Test	Value	Units
Rainbow trout	LC50 96hr	>100	mg/L
Daphnia	LC50 48hr	>100	mg/L

**Hazardous ingredients:**

**QUATERNARY AMMONIUM COMPOUND**

ZEBRAFISH (Brachydanio rerio)	96H LC50	21	mg/l
-------------------------------	----------	----	------

### 12.2. Persistence and degradability

**Persistence and degradability:** Not biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** \* Soluble in water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Disposal should be in accordance with Local Authority Regulations.

**Disposal of packaging:** Disposal should be in accordance with Local Authority Regulations.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

[cont...]

# SAFETY DATA SHEET

DOFF ADVANCED CONCENTRATED WEEDKILLER 90G/L SACHET

Page: 7

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

H224: Extremely flammable liquid and vapour.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.