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SAFETY DATA SHEET
Doff Slug & Snail Killer MAPP 18982

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Product names: Doff Slug & Snail Killer MAPP 18982

Product code: F-AG-XXX-DOF

1.2 Relevant uses of the substance or mixture and uses advised against:

Supplied for amateur use as a molluscicide

1.3 Details of the supplier of the safety data sheet:

Doff Portland Limited
Aerial Way
Hucknall
Nottingham
NG15 6DW
UK

Telephone number: +44 (0) 115 9834 300

Email: help@doff.co.uk

1.4 Emergency phone number

Emergency telephone number: +44 (0) 115 9834 300 (office hours only)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION according to Regulation EC 1272/2008 Classification, Labelling and Packaging

The mixture does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008

2.2 Label Elements

Product Name: **Doff Slug & Snail Killer**

Pictogram: [None]

Signal word: [None]

Hazard statements: [None]

Precautionary statements: [None]

P501 Dispose of contents/container to local authority regulations.

2.3 Other information



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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Name:	CAS/EC No.	Index No./REACH Registration No.	Pictogram(s) according to 1272/2008:	H-phrase(s) according to 1272/2008:	Concentrations [% w/w]
iron orthophosphate dihydrate	14567-75-0/ 233-149-7	01-2119906336-41	None	None Substance with Workplace Exposure Limit	0.97-1.25%w/w

The full hazard information for individual components if not displayed in section 2 or 3 are displayed in Section 16.

4.0. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation

If symptoms arise remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop

4.1.2 Skin & Eye exposure

IF ON SKIN: Wash with plenty of soap and water.

Remove contaminated clothing and shoes.

If skin irritation or rash occurs: Get medical advice/attention.

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

Consult an eye specialist.

4.1.3 Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

None reported.

See SECTION 11 for more detailed information on health effects and symptoms.

4.3 Indications of any immediate medical attention and special treatment needed

Notes to physician

No specific treatment. Treat symptomatically.



5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable

Suitable extinguishing media:

Water spray

Dry chemical powder

Alcohol resistant foam

Carbon dioxide (CO²).

Unsuitable extinguishing media: Jet of water.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Combustion or thermal decomposition may generate toxic vapours: chlorine compounds, nitrogen oxides, carbon monoxide, hydrocarbons.

5.3 Advice for firefighters

Firefighting instructions:

Exercise caution when fighting any chemical fire.

Fight fire from safe distance and protected location.

Do not breathe fumes

Cool closed containers exposed to fire with water spray

If possible, take the containers out of dangerous zone.

Contain fire-fighting water with dikes or absorbents to prevent migration and entry into sewers or streams.

Protection during firefighting:

Wear suitable protective clothing, gloves, eye/face protection and respiratory protection

Wear a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection.

Emergency procedures: Evacuate area.

Ensure adequate ventilation.

Avoid direct contact with the substance.

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.2 Environmental Precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency

6.3 Methods and material for containment and cleaning up

Absorb spillage onto inert material such as sand or Fuller's earth and transfer to a suitably-labelled container.

Contact specialist waste disposal contractor.

6.4 Reference to other sections

Note: see SECTION 1 for emergency contact information, SECTION 8 for personal protection and section 13 for waste disposal.



7. Handling and storage

7.1 Precaution for safe handling

Avoid contact with skin and eyes. Wash Hands thoroughly after handling

Do not eat, drink or smoke when using this product

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height.

7.3 Specific end use(s)

Supplied for amateur use as a molluscicide

8. Exposure controls/personal protection

8.1 Control Parameters

Workplace exposure Limits as defined by UK HSE in document EH40/2005 where available:

Substance	CAS number	Workplace Exposure Limit				Comments
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)		
Iron salts (as Fe)	-	-	5	-	10	The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to the substances identified in IOELV Directives*

*IOELV – Indicative Occupational Exposure Limit Values (IOELV).

8.2 Exposure controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection: Operators must wear suitable protective gloves when handling the product or applying by hand-held equipment.

Skin and body protection: Engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

Hygiene measures: Do not eat, drink or smoke while handling the product. Clean gloves with soap and water before removing. Wash hands and face with soap and water before eating, drinking or smoking. Clean equipment, premises and work clothes regularly. Work clothing should remain on the work area and stored separately from street clothes.

Environmental exposure controls: Discharge into the environment must be avoided. Do not contaminate surface and groundwater.

9. PHYSICAL AND CHEMICAL PROPERTIES



9.1 Information on basic physical and chemical properties

Physical state: solid

Colour: blue

Odour: almost odourless

Flammability (solid, gas): not flammable

Density: 0.68 g/cm³

Solubility: Nearly insoluble.

Explosive properties: No explosive properties.

Oxidising properties: No oxidising properties.

9.2 Other Information

No other relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional information available

10.2 Chemical stability

No additional information available

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

None

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Not classified

LD50 oral rat: > 5000 mg/kg

LD50 dermal rat: > 5000 mg/kg

Irritation: Not classified

Corrosivity: Not classified

Sensitisation: Not classified

Repeated dose toxicity: Not classified

Carcinogenicity: Not classified

Mutagenicity: Not classified

Toxicity for reproduction: Not classified

12. ECOLOGICAL INFORMATION



12.1 Toxicity

Ecotoxicity values:

Ferric phosphate (Taken from EFSA Conclusion 2015)

LC50 fish (Oncorhynchus mykiss): > 17 mg/l OECD 203

LC50 other aquatic organisms (scenedesmus subcapitata): > 49 mg/l OECD 201

EC50 Daphnia: > 19 mg/l OECD 202

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Other adverse effects

Do not allow uncontrolled leakage of product into the environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Methods of disposal:

The generation of waste should be avoided or minimized wherever possible.

Empty containers or liners may retain some product residues.

This material and its container must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste:

The classification of the product may meet the criteria for a hazardous waste

14. TRANSPORT INFORMATION

14.1 UN number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard: Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Product is not classified as harmful to the environment.

14.6 Special precautions for user: No information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable



15. REGULATORY INFORMATION

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

This substance is classified and labelled in accordance with regulation 1272/2008 and Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical Safety Assessment (CSA)

CSA not undertaken for this substance

16. OTHER INFORMATION

Other Hazard Information assigned to individual ingredients, but not carried to final classification:

None

SDS information:

This safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with regulation 1272/2008 and Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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