Doff Growmore 7-7-7

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 16/12/2022 Revision date: 28/03/2025 Supersedes version of: 16/12/2022 Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Product name : Doff Growmore 7-7-7
Product code : F-MK-XXX-DOF

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

Relevant identified uses

Intended for general public
Main use category : Consumer use
Use of the substance/mixture : Supplied for amateur use as a home & garden fertiliser

1.3. Details of the supplier of the safety data sheet

Supplier
Doff Portland Ltd
Aerial Way
Off Watnall Rd
NG15 6DW Hucknall, Nottingham
United Kingdom
T +44(0) 115 9834 300
help@doff.co.uk, www.doff.co.uk

Other
DP Multipurpose Products (Ireland) Limited
Harcourt Centre
Harcourt Road, Block 3
D02 A339 Dublin 2
Ireland
T +353 (0) 15569820 (office hours only)
help@doffportland.net, www.doffportland.net

1.4. Emergency telephone number

Emergency number : +44 (0) 115 9834300

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P102 - Keep out of reach of children.

2.3. Other hazards

Other hazards which do not result in classification : Supports combustion.

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium Ammonium Nitrate	CAS-No.: 6484-52-2 EC-No.: 229-347-8 REACH-no: 01-2119490981-27	≥ 15 – < 20	Ox. Sol. 3, H272 Eye Irrit. 2, H319

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
Calcium Ammonium Nitrate	CAS-No.: 6484-52-2 EC-No.: 229-347-8 REACH-no: 01-2119490981-27	(80 < C ≤ 100) Eye Irrit. 2; H319

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If signs/symptoms develop, get medical attention. In the event of inhalation of decomposition products : Allow affected person to breathe fresh air, Allow the victim to rest, Get immediate medical advice/attention.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Give a few small glasses of water or milk to drink. If signs/symptoms develop, get medical attention.

First-aid measures for first aider : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation : If decomposition products are inhaled the following symptoms can occur: May cause irritation to the respiratory tract and to other mucous membranes.

Symptoms/effects after skin contact : Prolonged or repeated contact may cause skin to become dry.

Symptoms/effects after eye contact : May cause slight temporary irritation to ocular mucous membranes.

Symptoms/effects after ingestion : None under normal conditions. On ingestion in large quantities: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically. On ingestion in large quantities: Get medical advice/attention. In case of inhalation of high concentrations : Get immediate medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.

Unsuitable extinguishing media : earth, sand, dry chemical powder or foam.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : Under fire conditions closed containers may rupture or explode.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2). Nitrogen oxides. Ammonia. Halogenated compounds.

5.3. Advice for firefighters

Firefighting instructions : Do not allow run-off from fire-fighting to enter drains or water courses. Notify authorities if product enters sewers or public waters. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not touch or walk on the spilled product. Avoid dust production. Do not breathe dust. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.
Methods for cleaning up : Mechanically recover the product. Avoid dust formation. Transfer the product into a spare container: - suitably labelled.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid formation of dust. Protect from moisture.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Store in dry protected location to prevent any moisture contact. Store away from other materials. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials : combustible materials.
Packaging materials : Store always product in container of same material as original container.

7.3. Specific end use(s)

Fertilisers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:
Wear recommended personal protective equipment.
Personal protective equipment symbol(s):

Eye and face protection

Eye protection:
Safety glasses

Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Protective gloves

Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:
Do not allow to enter drains or water courses. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	Various colours. Grey. White to off-white. brown.
Appearance	:	granules.
Odour	:	odourless.
Odour threshold	:	Not available
Melting point	:	160 – 170 °C Depending on moisture content
Freezing point	:	Not applicable
Boiling point	:	Not available
Flammability	:	Not combustible
Explosive properties	:	This material is not explosive as defined by established regulatory criteria. Risk of explosion if heated under confinement. May decompose or explode on heating or on contact with incompatible materials.
Oxidising properties	:	Not oxidising.
Lower explosion limit	:	Not applicable

Upper explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	> 170 °C
pH	:	> 4.5
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Solubility	:	Hygroscopic.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	0.002 kPa
Vapour pressure at 50°C	:	Not available
Density	:	900 – 1200 kg/m³
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	2 — 4 mm

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Decomposes on heating.

10.4. Conditions to avoid

High temperature. Foreign contamination. Minimize exposure to air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid dust formation.

10.5. Incompatible materials

Combustible materials. Reducing agents. Acids. alkalis. Sulphur. Chlorates. Chromic acid & chromates. Nitrites. Permanganates. metals. calcium hypochlorite. Sodium hypochlorite. Strong oxidizing agents. Ammonium nitrate. Ammonium nitrate based fertilizer.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Ammonia. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Calcium Ammonium Nitrate (6484-52-2)	
LD50 oral rat	2950 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation : Not classified
pH: > 4.5

Calcium Ammonium Nitrate (6484-52-2)	
pH	5.43 Concentration: 0,1 other:M

Serious eye damage/irritation : Not classified
pH: > 4.5

Calcium Ammonium Nitrate (6484-52-2)	
pH	5.43 Concentration: 0,1 other:M

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Doff Growmore 7-7-7	
Viscosity, kinematic	Not applicable

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

Calcium Ammonium Nitrate (6484-52-2)	
EC50 - Crustacea [1]	490 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

Doff Growmore 7-7-7	
Persistence and degradability	Not rapidly degradable

Calcium Ammonium Nitrate (6484-52-2)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Doff Growmore 7-7-7	
Bioaccumulative potential	The substance has low potential for bioaccumulation.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : In the event of a significant spillage : When released to the environment, phosphates may act as a plant nutrient and contribute to excessive algal growth, de-oxygenation of water and precipitate heavy metals.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Do not discharge into drains or rivers. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Check the possibility of recycling. Empty containers should be thoroughly rinsed with large quantities of clean water. Dispose of contents/container in accordance with licensed collector's sorting instructions. Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
ANNEX I RESTRICTED EXPLOSIVES PRECURSORS
List of substances which are not to be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

Name	CAS-No.	Limit value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Ammonium nitrate	6484-52-2	45.7 % w/w	No licensing permitted	3102 30 10 (in aqueous solution); 3102 30 90 (other)	ex 3824 99 96

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	**Changed item**	**Comments**
		Biennial review (2025) Updated in line with latest data/regulations
		Modified Composition updated - no change to classification
4.1		**Modified**
4.3	Other medical advice or treatment	**Modified**
5.1	Suitable extinguishing media	**Modified**
5.2	Explosion hazard	**Added**
7.1	Additional hazards when processed	**Added**
7.2	Technical measures	**Added**
9	Odour	**Added**
9	Melting point	**Modified**
9	Flammability (solid, gas)	**Modified**
9	Explosive properties	**Modified**
9	Solubility	**Modified**
9	Vapour pressure	**Added**
9	Density	**Modified**
9.1	Decomposition temperature	**Modified**
10.4	Conditions to avoid	**Modified**
10.6	Hazardous decomposition products	**Modified**
11.1		**Modified**
12.		**Modified**
12.3	Bioaccumulative potential	**Added**
12.7	Other adverse effects	**Added**
13.1	Waste treatment methods	**Modified**
13.1	Additional information	**Added**

Abbreviations and acronyms:	
ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

Abbreviations and acronyms:	
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Sol. 3	Oxidising Solids, Category 3
H272	May intensify fire; oxidiser.
H319	Causes serious eye irritation.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.