

MATERIAL SAFETY DATA SHEET
7-7-7



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

1.1 Product identifier

Product name 7-7-7
REACH registration notes This Mixture is exempt from REACH registration according to Regulation (EC) No 1907/2006 (REACH)

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

Identified uses Fertiliser.

1.3 Details of the supplier of the safety data sheet

Supplier Angus Horticulture
Polmood, Guthrie
Forfar, Angus, DD8 2TW
sales@angus-horticulture.co.uk

1.4 Emergency telephone number

Emergency telephone number +44 (0) 1241 829049

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification

Physical hazards Not classified.
Health hazards Eye Irrit 2 H319
Environmental hazards Not classified.

2.2 Label elements

Hazard pictograms



Signal word Warning.

Hazard statements H319 Causes serious eye irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

SSP Single Superphosphate

CAS Number: 8011-76-5

Classification

Eye Irrit 2 H319

EC Number: 232-379-5

REACH registration Number: 01-2119488967-11-XXX

30-60%

Classification (67/548/EEC or 1999/45/EC)

Xi: R41

The Full text for all R-Phrases and Hazard Statement are Displayed in Section 16.

SECTION 4: First Aid measures

4.1 Description of first aid measures

Inhalation	Get medical attention if symptoms are severe or persist.
Ingestion	Get medical attention if symptoms are severe or persist.
Skin contact	Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Rinse immediately with plenty water. Remove contact lenses, if present and easy to do so. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Dust in high concentrations may irritate the respiratory system.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Prolonged or repeated exposure may cause severe irritation. May cause severe eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Not applicable.

5.2 Special hazards arising from the substance or mixture

Special hazards	None known.
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5.3 Advice for firefighters

Protective actions during firefighting	Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment firefighters	Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Fire fighter's clothing conforming to European standard EN 469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of dust and contact with skin and eyes. Use respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery.

6.2 Environmental precautions

Environmental precautions The product is slowly degradable. The product is not expected to be hazardous to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Take care as floors and other surfaces may become slippery. Avoid generation and spreading of dust. Collect spillage with a shovel and broom, or similar and reuse, if possible. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations. Do not empty into drains. Collect and dispose of spillage as indicated in Section 13.

6.4 Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Usage precautions Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Store in a dry place. Keep container in a well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section 10).

7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

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SECTION 8: Exposure controls/Personal protection

8.1 Control parameters Occupational exposure limits

Ammonium Sulphate	Long-term exposure limit (8-hour TWA): LTEL 10 mg/m ³ .
Gypsum	Long-term exposure limit (8-hour TWA): WEL 4 mg/m ³ respirable dust.

WEL = Workplace Exposure Limit.

SSP Single Superphosphate (CAS: 8011-76-5)

DNEL	Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day. Workers - Inhalation; Long term systemic effects: 3.1 mg/m ³ . General population - Inhalation; Long term systemic effects: 0.9 mg/m ³ . General population - Oral; Long term systemic effects: 2.1 mg/kg/day. General population - Dermal; Long term systemic effects: 10.4 mg/kg/day.
PNEC	- Fresh water; 1.7 mg/l. - Marine water; 0.17 mg/l. - Intermittent release; 17 mg/l. - STP; 10 mg/l.

Potash (CAS: 7447-40-7)

DNEL	Workers - Dermal; Short term systemic effects: 580 mg/kg/day. Workers – Dermal; Long term systemic effects: 580 mg/kg/day. Workers – Inhalation: Short term systemic effects: 292mg/m ³ . Workers – Inhalation; Long term systemic effects: 292mg/m ³ .
PNEC	- Fresh water; 0.47mg/l. - Marine water; 0.047mg/l.

8.2 Exposure Controls

Protective equipment



Appropriate engineering controls	All handling should only take place in well-ventilated areas.
Eye/Face Protection	Wear eye protection.
Hand Protection	Wear protective gloves.
Other skin & body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations.

SECTION 9: Physical and Chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Granules
Colour	Beige to Dark Brown or Black
Odour	Mild
Odour threshold	Not determined
pH	Slightly Acidic
Melting Point	Not relevant
Initial Boiling Point & Range	Not relevant
Flash Point	Not relevant
Evaporation Rate	Not relevant
Flammability (solid, gas)	The product is not flammable
Vapour pressure	Not relevant
Vapour density	Not relevant
Relative density	Not relevant
Solubility (ies)	Not known
Partition coefficient	Not known
Auto-ignition temperature	Not relevant
Decomposition Temperature	Not relevant
Viscosity	Not relevant
Explosive properties	Not relevant
Oxidising properties	Does not meet the criteria for classification as oxidising

9.2 Other information

Other information	No information required.
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SECTION 10: Stability & Reactivity

10.1 Reactivity

Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
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10.2 Chemical Stability

Stability	Stable when stored in a dry place.
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10.3 Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4 Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in hazardous situation.
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10.5 Incompatible materials

Materials to avoid	Water, moisture.
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10.6 Hazardous decomposition products

Hazardous decomposition products	None known.
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SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) No specific test data are available.

Acute toxicity - dermal

Notes (dermal LD₅₀) No specific test data available.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) No specific test data available.

Serious eye damage/irritation

Serious eye damage/irritation Irritation of eyes is assumed. In-vitro testing conducted on products with SSP Content <62%, 2015, Result: Reduced classification to Eye Irritant. Test Guidelines OECD 438. This result is less severe than the harmonised classification for Super Phosphates as Eye Damage 1 – H318.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Respiratory sensitisation

Respiratory sensitisation No specific test data available.

Skin sensitisation

Skin sensitisation Not determined.

Germ cell mutagenicity

Genotoxicity – in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity No specific test data are available.

Reproductive toxicity

Reproductive toxicity – fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity

STOT – single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity

STOT – repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Eye contact

The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.



SECTION 12: Ecological information

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

12.1 Toxicity

12.2 Persistence and degradability

Persistence and degradability The product is slowly degradable.

12.3 Bio-accumulative potential

Partition coefficient Not known.

12.4 Mobility in soil

Mobility No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6 Other Adverse effects

Other adverse effects Not relevant.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General Information Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. Only store in correctly labelled containers. Dispose of contents/container in accordance with national regulations. No specific disposal method required. Do not empty into drains.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN number Not applicable.

14.2 UN proper shipping name Not applicable.

14.3 Transport hazard class(es) No transport sign warning required.

14.4 Packing group Not applicable.

14.5 Environmental hazards

Environmental hazardous substance/marine pollutant No.

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable.

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SECTION 15: Regulatory Information

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2 Chemical safety assessment No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations & Acronyms	ATE	Acute Toxicity Estimate.
	AD	European Agreement concerning the International Carriage of Dangerous Goods by Road.
	AND	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
	CAS	Chemical Abstract Service.
	DNEL	Derived No Effect Level.
	GHS	Globally Harmonized System.
	IATA	International Air Transport Association.
	IMDG	International Maritime Dangerous Goods.
	ICAO	Technical Instructions for the Safe Transport of Dangerous Goods by Air.
	LC ₅₀	Lethal Concentration to 50 % of a test population.
	LD ₅₀	Lethal Dose to 50% of a test population (Median Lethal Dose).
	PBT	Persistent, Bio-accumulative and Toxic substance.
	PNEC	Predicted No Effect Concentration.
	REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
	SVHC	Substances of Very High Concern.
	vPvB	very Persistent and very Bio-accumulative.
	cATpE	Converted Acute Toxicity Point Estimate.
	LOAEC	Lowest Observed Adverse Effect Concentration.
	LOAEL	Lowest Observed Adverse Effect Level.
	EC ₅₀	50% of maximal Effective Concentration.
	NOAEL	No Observed Adverse Effect Level.
	NOEC	No Observed Effect Concentration.
	LOEC	Lowest Observed Effect Concentration.
	DMEL	Derived Minimal Effect Level.
Hazard statements in full	H319	Causes serious eye irritation.
Risk phrases in full	R41	Risk of serious damage to eyes.

Disclaimer

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