



## MATERIAL SAFETY DATA SHEET

6-9-6

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

#### 1.1 Product identifier

Product name 6-9-6

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

Identified uses Plant nutrient.

Uses Advised Against Not known.

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

Supplier Angus Horticulture  
Polmood, Guthrie  
Forfar, Angus, DD8 2TW

Telephone +44 (0)1241 829049  
Fax +44 (0)1241 829043  
E-mail [sales@angus-horticulture.co.uk](mailto:sales@angus-horticulture.co.uk)

#### 1.4 Emergency telephone number

Emergency telephone number 01865 407333 ANGUSHORTICULTURE29003-NCEC  
Contact National Chemical Emergency Centre

#### National response centre

Address NHS Direct  
Emergency telephone number +44 111

### SECTION 2: Hazards identification

Classified according to Regulation (EC) No 1272/2008 (CLP) as retained and amended in UK law.

#### 2.1 Classification of the substance or mixture

Eye Irrit 2; H319, Causes serious eye irritation.

#### 2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1597

#### Hazard pictograms



#### Signal word

Warning.

#### Hazard statements

Causes serious eye irritation. (H319)

#### Precautionary statements

##### General

If medical advice is needed, have a product container or label at hand. (P101)

Keep out of reach of children. (P102)

##### Prevention

Wash hands thoroughly after handling. (P264)

Wear eye protection/protective clothing. (P280)

##### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

If eye irritation persists: Get medical advice/attention. (P337+P313)

#### Storage

#### Disposal

#### Hazardous substances

None known.

#### Additional labelling

Not applicable.



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#### 2.3 Other hazards

**Additional warnings** The product contains quartz; working processes in which respirable quartz dust can be developed are covered by the EU cancer Regulation.  
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### **SECTION 3: Composition/information on ingredients**

**3.1 Substances** Not applicable. The product is a mixture.

#### **3.2 Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
Single Superphosphate	CAS No: 8011-76-5 EC No: 232-379-5 UK-REACH: Index No:	40-60%	Eye Irrit 2, H319	[19]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information** [19] UVCB = Unknown or variable composition, complex reaction products or of biological materials. Irritation of eyes is assumed. In-vitro testing conducted on products with SSP Content < 62%, 2015, Result: Reduced classification to Eye Irritant. Test Guideline OECD 438. This result is less severe than the harmonised classification for Super Phosphates as Eye Damage 1 H318.

### **SECTION 4: First Aid measures**

#### **4.1 Description of first aid measures**

**General information** In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation** Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

**Skin contact** Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

**Eye contact** If in eyes: Flush eyes immediately with plenty of water and isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

**Ingestion** If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.  
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

**Burns** Not applicable.

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

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects of the eye/serious eye damage.

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

If eye irritation persists: Get medical advice/attention.  
**Information to medics** Bring this safety data sheet or the label from this product.



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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** Alcohol-resistant foam, carbon dioxide, powder, water mist.

**Unsuitable extinguishing media** Waterjets should not be used, since they can spread fire.

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

Fire will result in dense smoke. Exposure to combination products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, eg in the event of fire, dangerous decomposition compounds are produced. These are:

Halogenated compounds;

Sulphur oxides;

Nitrogen oxides (NO<sub>x</sub>);

Some metal oxides.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact NHS Direct, dial 111, 24h service) in order to obtain further advice..

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

#### 6.2 Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorised persons away from the spill.

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

Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4 Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Powder trickling out onto the floor or onto other containers must be prevented.

**Recommended storage material**

Keep only in original packaging.

**Storage temperature**

Dry, cool and well ventilated.

**Incompatible materials**

Strong acids, strong bases, strong oxidising agents, and strong reducing agents.

#### 7.3 Specific end use(s)

This product should only be used for applications quoted in section 1.2.



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### SECTION 8: Exposure controls/Personal protection

#### 8.1 Control parameters Occupational exposure limits

Quartz (SiO<sub>2</sub>)

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 0,1 (respirable fraction)

Annotations:

Carc = Capable of causing cancer and/or heritable genetic damage.

The Control of Substances Hazardous Health Regulations 2002 SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### DNEL

Single Superphosphate

##### Duration:

Long term – Systemic effects – General population

Long term – Systemic effects – Workers

Long term – Systemic effects – Workers

##### Route of exposure:

Dermal

Dermal

Inhalation

##### DNEL:

2.08 mg/kg bw/day

4.2 mg/kg bw/day

2.9 mg/m<sup>3</sup>

#### PNEC

Single Superphosphate

##### Route of exposure:

Sewage treatment plant

##### Duration of exposure:

##### PNEC:

10 mg/L

#### 8.2 Exposure Controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

##### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

##### Exposure scenarios

There are no exposure scenarios implemented for this product.

##### Exposure limits

Professional users are subject to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

##### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust. Airborne gas and dust concentrations must be kept to a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and showers are clearly marked.

##### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

##### Measures to avoid environmental exposure

No specific requirements.

##### Individual protection measures, such as personal protective equipment

##### Generally

Use only UKCA marked protective equipment.

##### Respiratory Equipment

##### Type

Respiratory protection is not needed  
In the event of adequate ventilation.

##### Class

##### Colour

##### Standards

##### Skin protection

##### Recommended

Dedicated works clothing should be worn.

##### Type/Category

##### Standards





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#### Hand protection

##### Material

No specific requirements.

##### Glove thickness (mm)

##### Breakthrough time (min)

##### Standards

#### Eye protection

##### Type

Safety glasses with side shields

##### Standards

EN166



## SECTION 9: Physical and Chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Granulate.
Colour	Testing not relevant or not possible due to the nature of the product.
Odour/Odour threshold	Testing not relevant or not possible due to the nature of the product.
pH	Testing not relevant or not possible due to the nature of the product.
Density (g/cm <sup>3</sup> )	Testing not relevant or not possible due to the nature of the product.
Kinematic viscosity	Does not apply to solids.
Particle characteristics	Testing not relevant or not possible due to the nature of the product.
Phase changes	
Melting point/Freezing point (°C)	Testing not relevant or not possible due to the nature of the product.
Softening point/range (waxes and pastes) (°C)	Does not apply to solids.
Boiling point (°C)	Does not apply to solids.
Vapour pressure	Testing not relevant or not possible due to the nature of the product.
Relative vapour density	Does not apply to solids.
Decomposition temperature (°C)	Testing not relevant or not possible due to the nature of the product.
Data on fire and explosion hazards	
Flash point (°C)	Does not apply to solids.
Flammability (°C)	Testing not relevant or not possible due to the nature of the product.
Auto-ignition temperature	Testing not relevant or not possible due to the nature of the product.
Lower and upper explosion limit (% v/v)	Does not apply to solids.
<b>Solubility</b>	
Solubility in water	Testing not relevant or not possible due to the nature of the product.
n-octanol/water coefficient	Testing not relevant or not possible due to the nature of the product.
Solubility in fat (g/L)	Testing not relevant or not possible due to the nature of the product.

### 9.2 Other information

Oxidising properties	Testing not relevant or not possible due to the nature of the product.
Other physical and chemical parameters	No data available.

## SECTION 10: Stability & Reactivity

<b>10.1 Reactivity</b>	No data available.
<b>10.2 Chemical Stability</b>	The product is stable under the conditions, noted in section 7 "Handling and storage".
<b>10.3 Possibility of hazardous reactions</b>	None known.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible materials</b>	Strong acids, strong bases, strong oxidising agents, and strong reducing agents.



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#### **10.6 Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

### ***SECTION 11: Toxicological Information***

<b>Acute toxicity</b>	Harmful if swallowed.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Respiratory sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

#### **11.2 Information on other hazards**

<b>Long term effects</b>	Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
<b>Endocrine disrupting properties</b>	This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.
<b>Other information</b>	Quartz (SiO <sub>2</sub> ) has been classified by IARC as a group 1 carcinogen.

### ***SECTION 12: Ecological information***

<b><u>12.1 Toxicity</u></b>	No data available.
<b><u>12.2 Persistence and degradability</u></b>	No data available.
<b><u>12.3 Bioaccumulative potential</u></b>	No data available.
<b><u>12.4 Mobility in soil</u></b>	No data available.
<b><u>12.5 Results of PBT and vPvB assessment</u></b>	This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
<b><u>12.6 Endocrine disrupting properties</u></b>	This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.
<b><u>12.7 Other adverse effects</u></b>	None known.

### ***SECTION 13: Disposal considerations***

<b><u>13.1 Waste treatment methods</u></b>	Product is covered by the regulations on hazardous waste. HP 4 – Irritant (skin irritation and eye damage). Dispose of contents/container to an approved waste disposal plant. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
<b>EWC Code</b>	Not applicable.
<b>Specific labelling</b>	
<b>Contaminated packing</b>	Packaging containing residues of the product must be disposed of similarly to the product.



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#### SECTION 14: Transport information

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other Information
ADR -	-	-	-	-	-
IMDG -	-	-	-	-	-
IATA -	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**Additional information** Not dangerous goods according to ADR, IATA and IMDG.

**14.6 Special precautions for user** Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

No data available.

#### SECTION 15: Regulatory Information

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

**Restrictions for application** Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

**Demands for specific education** No specific requirements.

##### SEVESO – Categories/dangerous substances

Not applicable.

**Additional information** Not applicable.

##### Sources

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restrictions of Chemicals (REACH) as retained and amended in UK law.

**15.2 Chemical safety assessment** No.

#### SECTION 16: Other information

##### Full text of H-phrases as mentioned in section 3

H319 Causes serious eye irritation.

##### Abbreviations and acronyms

ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway.

ADR The European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE Acute Toxicity Estimate.

BCF Bioconcentration Factor.

CAS Chemical Abstracts Service.

CE Conformance Européenne.

CLP Classification, Labelling and Packaging Regulation [Regulation (EC) No 1272/2008].

CSA Chemical Safety Assessment.

CSR Chemical Safety Report.

DMEL Derived Minimal Effect Level.

DNEL Derived No Effect Level.

EINECS European Inventory of Existing Commercial chemical Substances

ES Exposure Scenario.

EUH statement – CLP – specific Hazard statement.

EWC European Waste Catalogue.



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GHS	Globally Harmonised System of Classification and Labelling of Chemicals.
IARC	International Agency for Research on Cancer (IARC).
IATA	International Air Transport Association.
IBC	Intermediate Bulk Container.
IMDG	International Maritime Dangerous Goods.
LogPow	logarithm of the octanol/water partition coefficient.
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" – marine pollution).
OECD	Organisation for Economic Co-operation and Development.
PBT	Persistent, Bioaccumulative and Toxic.
PNEC	Predicted No Effect Concentration.
RID	The Regulations concerning the International Carriage of Dangerous Goods by Rail.
RRN	REACH Registration Number.
SCL	A specific concentration limit.
SVHC	Substances of Very High Concern.
STOT-RE	Specific Target Organ Toxicity – Repeated Exposure.
STOT-SE	Specific Target Organ Toxicity – Single Exposure.
TWA	Time weighted average.
UN	United Nations.
UVBC	Unknown or variable composition, complex reaction products or of biological materials.
VOC	Volatile Organic Compound.
vPvB	Very Persistent and Very Bioaccumulative.

**Additional information** The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No 1272/2008 (CLP) as retained and amended in UK law.

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.  
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