

MATERIAL SAFETY DATA SHEET
6-5-10



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

1.1 Product identifier

Product name 6-5-10
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 (EC1272/2008)

Physical hazards Not classified
Health hazards Skin Irrit 2 H315
Eye Irrit 2 H319
Environmental hazards Not classified

2.2 Label elements

Hazard pictograms



Signal word Warning

Hazard statements H315 Causes skin irritation
H319 Causes serious eye irritation
EUH208 Contains nickel sulfate. May produce an allergic reaction

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor
P302+P352 IF IN EYES: Wash with plenty of water
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplementary precautionary statements

P321 Specific treatment (see medical advice on this label)
P330 Rinse mouth
P332+P313 If skin irritation occurs: Get medical advice/attention
P337+P313 If eye irritation persists: Get medical advice/attention
P362+P364 Take off contaminated clothing and wash it before reuse
P501 Dispose of contents/container in accordance with national regulations

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2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

SSP Single Superphosphate EC Number: 232-379-5
CAS Number: 8011-76-5 REACH registration Number: 01-2119488967-11-XXX **10-30%**
Classification Eye Irrit 2 H319 **Classification (67/548/EEC or 1999/45/EC) Xi: R41**

iron (II) Sulfate EC Number: 231-753-5 **10-30%**
CAS Number: 7720-78-7
Classification
Acute Tox 4 H302
Skin Irrit 2 H315
Eye Irrit 2 H319

nickel sulfate EC Number: 232-104-9 **<1%**
CAS Number: 7786-81-4
M factor (Acute) = 1
M Factor (Chronic) = 1
Classification
Acute Tox 4 H302 Skin Sens 1 H317
Acute Tox 4 H332 Muta 2 H341
Skin Irrit 2 H315 Carc 1 H350i
Resp Sens 1 H334 Repr 1B H3560D
Aquatic Acute 1 H400 STOT RE 1 H372
Aquatic Chronic 1 – H410

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 Rinse mouth thoroughly with water. 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 May cause irritation. Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.
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

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 for firefighters Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (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, inc 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 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.

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
Sand	Long-term exposure limit (8-hour TWA): Silica Dust (respirable) WEL 0.1 mg/m ³

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

DNEL	Workers - Inhalation; Long term systemic effects: 3.1 mg/m ³ Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day. 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: 292 mg/m ³ Workers – Inhalation; Long term systemic effects: 292 mg/m ³
PNEC	- Fresh water; 0.47 mg/l - Marine water; 0.047 mg/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

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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

SECTION 10: Stability & Reactivity

10.1 Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients

10.2 Chemical Stability

Stability Stable when stored in a dry place

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known

10.4 Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in hazardous situation

10.5 Incompatible materials

Materials to avoid Water, moisture

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

ATL oral (mg/kg) 4,861.45

Acute toxicity – dermal

Notes (dermal LD₅₀) No specific test data are available

Acute toxicity – inhalation

Notes (inhalation LC₅₀) No specific test data are available

Skin corrosion/irritation

Skin corrosion/irritation May cause skin irritation

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation. 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

Respiratory sensitisation

Respiratory sensitisation No specific test data are available

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met. Contains a small amount of skin sensitising substance. May cause irritation.

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 – repeated exposure

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

Skin contact

May cause an allergic skin reaction. May cause irritation

Eye contact

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

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SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment. The product is not expected to be toxic to aquatic organisms. Not regarded as dangerous for the environment. No negative effects on the aquatic environment are known

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

Used in the safety data sheet

ATE	Acute Toxicity Estimate
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS	Chemical Abstracts Service
DNEL	Derived No Effect level
GHS	Globally Harmonised System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
ICAO-TI	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
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

Risk phrases in full

R20/22	Harmful by inhalation and if swallowed
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R38	Irritation to skin
R41/43	May cause sensitisation by inhalation and skin contact
R48/23	Toxic; danger of serious damage to health by prolonged exposure through inhalation
R49	May cause cancer by inhalation
R50/53	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R61	May cause harm to the unborn child
R68	Possible risk of irreversible effects

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Hazard statements in full

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H350i	May cause cancer by inhalation
H360D	May damage the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH208	Contains nickel sulfate. May produce an allergic reaction

Disclaimer

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