

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

1.1 Product identifier

Product name 10-2-2

REACH registration notes This Mixture is exempt from REACH registration according to Regulation (EC) No 1907/2006 (REACH).

All raw materials used in the mixture are REACH registered where necessary

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

Identified uses Supplies for professional and amateur use as a herbicide weed killer and moss killer

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 hazardsEye Irrit 2H319Environmental hazardsAquatic Chronic 3H412

2.2 Label elements

Hazard pictograms



Signal word Warning

Hazard statements EUH208 Contains (2,4-dichlorophenoxy) acetic acid, dimethylamine salt. May

produce an allergic reaction Causes serious eye irritation

H412 Harmful to aquatic life with long lasting effects

Precautionary statements P264 Wash contaminated skin thoroughly after handling.

H319

P280 Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338 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.

P391 Collect spillage

P501 Dispose of contents/container in accordance with national regulations

Supplemental label information EUH401 To avoid risks to human health and environment, comply with the instructions for

use



Supplementary precautionary statements

Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell

P330 Rinse mouth

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 **5-10%**

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

Eye Irrit 2 H319 Xi: R41

nickel sulfate EC Number: 232-104-9 <1%

CAS Number: 7786-81-4

Classification

Acute Tox 4 H302 Acute Tox 4 H332 Skin Irrit 2 H315 Resp Sens 1 H334 Skin Sens 1 H317 Muta 2 H341 Carc 1A H350i Repr 1B H360D STOT RE 1 H372 Aquatic Acute 1 H400

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

General information Get medical attention if any discomfort continues.

Inhalation Remove person to fresh air and keep comfortable for breathing. Get medical attention if

symptoms are severe or persist

Ingestion Do not induce vomiting unless under the direction of medical personnel. Get medical

attention if symptoms are severe or persist. Rinse mouth thoroughly with water. Give plenty $\frac{1}{2}$

of water to drink

Skin contact Rinse immediately with plenty of water. Remove contaminated clothing. Wash

contaminated clothing before reuse. 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 The product is considered to be a low hazard under normal conditions of use

Skin contact Skin irritation should not occur when used as recommended. The product is considered to be

a low hazard under normal conditions of use.

Eye contact Causes serious eye irritation. Prolonged or repeated exposure may cause severe irritation

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically



SECTION 5: Firefighting measures

5.1 Extinguishing media

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

Not applicable

5.2 Special hazards arising from the substance or mixture

SECTION 6: Accidental release measures

Special hazards Thermal decomposition or combustion products may include the following substances:

Irritating gases or vapours

5.3 Advice for firefighters

Protective actions during

firefighting

Cool containers exposed to heat with water spray and remove them from the fire area, if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourse. Contain and collect extinguishing water. If risk of water pollution occurs, notify the appropriate authorities

Special protective equipment

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 (inc helmets, protective boots & gloves) will provide a basic level of protection for chemical incidents.

6.1 Personal precautions, protective equipment and emergency procedures

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

Personal precautions

Harmful to aquatic life with long lasting effects. The product is slowly degradable. The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Avoid discharge into drains and the aquatic environment. Use appropriate containment to avoid environmental contamination. Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Take care as floors and others 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 labelled with correct content 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. Keep away from combustible materials. Keep away from heat. Store away from

incompatible materials (see Section 10)

7.3 Specific end use(s)

Specific end use(s)

The substance has not been assessed for the specific end-points listed in 1.2, so it's hazardous

property in this regard is not known

SECTION 8: Exposure controls/Personal protection

8.1 Control parameters Occupational exposure limits

Sand Long-term exposure limit (8-hour TWA): Silica Dust (respirable) WEL 0.1mg/m³

WEL = Workplace Exposure Limit

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

DNEL Workers - Inhalation; Long term systemic effects: 3.1 mg/m³

Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day. General population - Inhalation; Long term systemic effects: 0.9 mg/m³ 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/m³ Workers - Inhalation; Long term systemic effects: 292 mg/m³

PNEC Industry - Fresh water; 0.47 mg/l

Marine water; 0.047 mg/l



8.2 Exposure Controls

Protective equipment





Appropriate engineering controls

Eye/Face Protection

All handling should only take place in well-ventilated areas

Wear eye protection. Chemical splash goggles or face shield. Personal protective equipment

for eye and face protection should comply with European Standard EN166

Hand Protection It is recommended that chemical-resistant, impervious gloves are worn. To protect hands

from chemicals, gloves should comply with European Standard EN374

Other skin & body protection

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Hygiene measures
Respiratory protection

Wear appropriate clothing to prevent repeated or prolonged skin contact Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product

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 ca 3.0 (1% Dilution in Water)

Melting PointNot relevantInitial Boiling Point & RangeNot relevantFlash PointNot relevantEvaporation RateNot relevant

Flammability (solid, gas) The product is not flammable

Vapour pressure Not relevant
Vapour density Not relevant
Relative density Not relevant

Bulk density Pour Density 0.9 g/mL Tap Density 0.94 g/mL

Solubility (ies)Soluble in waterPartition coefficientNot knownAuto-ignition temperatureNot relevantDecomposition TemperatureNot relevantViscosityNot relevantExplosive propertiesNot 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 Avoid extremes of temperature

10.5 Incompatible materials

Materials to avoid Water, moisture

10.6 Hazardous decomposition products

Hazardous decomposition products Possible irritant fumes

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Toxicological effects This product is not classified for acute toxicity based on the individual toxicity values of the

component included within the product and calculation methods given in Regulation $\,$

1272/2009

Acute toxicity - oral

Notes (oral LD₅o) Iron Sulphate: EFSA peer review endpoint (EFSA journal 2012; 10 (1): 2521) Rat LD₅o 1185-

1750 mg/kg bw FeSO4 (H302) Harmful if swallowed. Dicamba EFSA peer review endpoint (EFSA Journal 2011; 9 (10); 1965) Rat LD_{50} 1581 mg/kg bw (H302) Harmful if Swallowed. Mecoprop-P Supplier SDS, Rat LD_{50} 776 mg/kg bw (H302) Harful if swallowed. 2,4-D Acid: EFSA Journal 2014; 12 (9): 3812 Rat LD_{50} >300 & >2000 mg/kg bw. (H302) Harmful if

swallowed

ATE oral (mg/kg) 4,173.0

Acute toxicity – dermal

Notes (dermal LD₅₀) No specific test data are available

Acute toxicity – inhalation

Notes (inhalation LC₅₀) No information available

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met. Not classified for skin irritant

as confirmed via study data (OECD 439)

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation. Classified as an eye irritant category 2 as confirmed via study

data (OECD 438)

Respiratory sensitisation

Respiratory sensitisation No specific test data are available

Skin sensitisation

Skin sensitisation No classified for skin sensitisation category 1. Due to the content of 2,4D and it's

classification as a skin sensitiser, EUH208 is applied



Germ cell mutagenicity

Genotoxicity – in vitroThis substance has no evidence of mutagenic properties

Carcinogenicity

Carcinogenicity No specific test data are available. There is no evidence that the product can cause cancer

Reproductive toxicity

Reproductive toxicity – fertility Based on available data, the classification criteria are not met

Specific target organ toxicity - single exposure

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

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 contactMay cause an allergic skin reactionEye contactCauses serious eye irritation

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects. Classified as Harmful to aquatic life with long

lasting effects as part of the products evaluation under regulation 1107/2009

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. 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

Applicable for Maritime bulk transport only. Check with carrier

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
Abbreviations & Acronyms	ADR	European Agreement concerning the International Carriage of Dangerous Goods by
	/ LDIN	Road
	ADN	European Agreement concerning the International Carriage of Dangerous Goods by
	/\DIV	Inland Waterways
	CAS	Chemical Abstracts Service
	DNEL	Derived No Effect Level
	GHS	Globally Harmonised System
	IATA	·
	IMDG	International Air Transport Association
		International Maritime Dangerous Goods
	ICAO	Technical Instructions for the Safe Transport of Dangerous Goods by Air.
	LC ₅₀	Lethal Concentration of 50% of a test population
	LD ₅₀	Lethal Dose of %0% 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)
	0.410	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	R22	Harmful if swallowed
Hazard statements in full	R36/38	Irritation to eyes and skin
	R37	Irritation to respiratory system
	R41	Risk of serious damage to eyes
	R43	May cause sensitisation by skin contact
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic
	•	environment
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic
		environment
Hazard statements in full	H302	Harmful if swallowed
	H315	Causes skin irritation
	H317	May cause an allergic skin reaction
	H318	Causes serious eye damage
	H319	Causes serious eye irritation
	H412	Harmful to aquatic life with long lasting effects
	EUH208	contains (2,4-dichlorophenoxy) acetic acid. May produce an allergic reaction
Disclaimer		

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