



SDS COMPLETED 2<sup>ND</sup> SEPTEMBER 2015  
UPDATED: 20<sup>TH</sup> FEBRUARY 2020

VERSION 01  
REVISION NUMBER: 3

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 4. First Aid Measures

##### 4.1. Description of first aid measures

Eye contact – Immediately rinse with clean water for 15 minutes. Seek medical attention if symptoms persist or develop.  
Skin contact – Wash exposed areas of skin with soap and water following use. Wash all contaminated clothing before re-use.  
Ingestion – wash out mouth with water and seek medical advice.  
Inhalation – remove to fresh air.

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

Eye Contact: Prolonged or repeated exposure may cause severe irritation. May cause severe eye irritation.  
Skin Contact: Repeated and/or prolonged contact may cause irritation.  
Ingestion: Based on components, product is considered to present little hazard by oral exposure.  
Inhalation: Unlikely to cause harmful effects under normal handling and use.

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

None  
Additional medical guidance is available to doctors from the National Poisons Information Service.

#### 5. Fire-Fighting Measures

Non flammable

##### 5.1. Extinguishing media

Use foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable. As such extinguishing media appropriate for surrounding materials should be chosen.

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

Possible irritant fumes arising from product decomposition.

##### 5.3. Advice for firefighters

Contain spread of extinguishing fluids. Wear self-contained breathing apparatus in confined spaces.

#### 6. Accidental Release Measures

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

Ensure adequate ventilation. Wear protective gloves and eye protection. Wash hands and exposed skin after handling.

##### 6.2. Environmental precautions

Do not allow to enter drains or sewers.

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

Sweep up and shovel product or use other means and place in container for reuse (preferred) or disposal.

#### 7. Handling and Storage

##### 7.1. Precautions for safe handling

Ensure good ventilation at workplace. Ensure good hygiene practices are observed. Do not eat, drink or smoke when handling this product. Do not breathe dust. Avoid contact with skin and eyes. Ensure workplace exposure limits are observed. Do not

SDS COMPLETED 2<sup>ND</sup> SEPTEMBER 2015  
 UPDATED: 20<sup>TH</sup> FEBRUARY 2020

VERSION 01  
 REVISION NUMBER: 3

block stack pallets.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area. Store clear of foodstuffs and in a separate stack from herbicides.

**7.3. Specific end use(s)**

Fertiliser

**8. Exposure controls/ Personal protection**

**8.1. Control parameters Occupational exposure limits**

Occupational Exposure Limits

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust). Nuisance dust:

Inhalable dust 10 mg/m<sup>3</sup>, Respirable dust 4 mg/m<sup>3</sup>

Ammonium Sulphate, Long-term Exposure Limit (LTEL)

Long-term Exposure Limit (8 hour TWA)	10	mg/m <sup>3</sup>
---------------------------------------	----	-------------------

Sand (Silica Dust respirable), Long-term Exposure Limit (LTEL)

Long-term Exposure Limit (8 hour TWA) WEL	0.1	mg/m <sup>3</sup>
---	-----	-------------------

Dolomite, Long-term Exposure Limit (LTEL)

Long-term Exposure Limit (8 hour TWA) WEL	10	mg/m <sup>3</sup> inhalable dust
---	----	----------------------------------

Long-term Exposure Limit (8 hour TWA) WEL	4	mg/m <sup>3</sup> respirable dust
---	---	-----------------------------------

Calmag Magnesium Oxide, Long-term Exposure Limit (LTEL)

Long-term Exposure Limit (8 hour TWA) WEL	10	mg/m <sup>3</sup> inhalable dust
---	----	----------------------------------

Long-term Exposure Limit (8 hour TWA) WEL	4	mg/m <sup>3</sup> respirable dust
---	---	-----------------------------------

Urea, Long-term Exposure Limit (LTEL)

Long-term Exposure Limit (8 hour TWA) WEL	10	mg/m <sup>3</sup> inhalable dust
---	----	----------------------------------

Long-term Exposure Limit (8 hour TWA) WEL	4	mg/m <sup>3</sup> respirable dust
---	---	-----------------------------------

Potash (CAS 7447-40-7), Desired No Effect Level (DNEL)

Worker

Systemic long-term effects dermal:	580	mg/kg/day
------------------------------------	-----	-----------

Systemic long-term effects inhalative:	292	mg/m <sup>3</sup>
--	-----	-------------------

Systemic short-term effects dermal:	580	mg/kg/day
-------------------------------------	-----	-----------

Systemic short-term effects inhalative:	292	mg/m <sup>3</sup>
---	-----	-------------------

Potash (CAS 7447-40-7), Predicted No Effect Concentration (PNEC)

Fresh water	0.047	mg/L
-------------	-------	------

Marine water	0.047	mg/m <sup>3</sup>
--------------	-------	-------------------

Ferrous Sulphate Heptahydrate (CAS 7782-63-0), Desired No Effect Level (DNEL)

Worker

Acute systemic effects dermal:	2.8	mg/kg/day
--------------------------------	-----	-----------

Acute systemic effects inhalative:	9.9	mg/m <sup>3</sup>
------------------------------------	-----	-------------------

Systemic long-term effects dermal:	2.8	mg/kg/day
------------------------------------	-----	-----------

Systemic long-term effects inhalative:	9.9	mg/m <sup>3</sup>
--	-----	-------------------

General Population

Acute systemic effects oral:	1.4	mg/kg/day
------------------------------	-----	-----------

Acute systemic effects dermal:	1.4	mg/kg/day
--------------------------------	-----	-----------

Acute systemic effects inhalative:	2.5	mg/m <sup>3</sup>
------------------------------------	-----	-------------------

Systemic long-term effects oral:	1.4	mg/kg/day
----------------------------------	-----	-----------

Systemic long-term effects dermal:	1.4	mg/kg/day
------------------------------------	-----	-----------

Systemic long-term effects inhalative:	2.5	mg/m <sup>3</sup>
--	-----	-------------------

Ferrous Sulphate Heptahydrate (CAS 7782-63-0), Predicted No Effect Concentration (PNEC)

SDS COMPLETED 2<sup>ND</sup> SEPTEMBER 2015  
 UPDATED: 20<sup>TH</sup> FEBRUARY 2020

VERSION 01  
 REVISION NUMBER: 3

The PNECs given in this section were derived based on the concentration which would cause a 10% increase above typical natural background levels of iron in soil and sediment. Thus the respective PNEC is equal to 110% of the typical natural background level of iron.

**Water**

Iron is an essential trace element for fish, aquatic invertebrates and plants. A direct toxicity could not be demonstrated in tests. Therefore no PNEC was derived.

**Sewage Treatment Plants, Sediment and Soil**

STP	500	mg/L
Sediment (Fresh Water)	49.5	g/kg
Sediment (Marine Water)	49.5	g/kg
Soil	55.5	g/kg

**Oral (food chain)**

Iron is an essential trace element for fish, aquatic invertebrates and plants. A direct toxicity could not be demonstrated in tests, therefore no PNEC was derived.

**SSP Single Superphosphate (CAS 8011-76-), Desired No Effect Level (DNEL)**

**Worker**

Systemic long-term effects dermal:	17.4	mg/kg/day
Systemic long-term effects inhalative:	3.1	mg/m <sup>3</sup>

**General Population**

Systemic long-term effects dermal:	10.4	mg/kg/day
Systemic long-term effects inhalative:	0.9	mg/m <sup>3</sup>
Systemic long-term effects oral:	2.1	mg/kg/day

**SSP Single Superphosphate (CAS 8011-76-5), Predicted No Effect Concentration (PNEC)**

Fresh water	1.7	mg/L
Marine water	0.17	mg/m <sup>3</sup>
Intermittent release	17	mg/L
STP	10	mg/L

**8.2. Exposure controls**

**Protective equipment**



Gloves: wear protective gloves.

Eye/face protection: wear eye protection.

Engineering controls: all handling should only take place in well-ventilated areas.

Clothing: 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

**9. Physical and Chemical properties**

**9.1. Information on basic physical and chemical properties**

Appearance	Granules.
Colour	Beige to dark brown
Odour	Mild.
Odour threshold	Not determined.
pH	Slightly Acidic
Melting point	Not relevant.
Initial boiling point and range	Not relevant.

SDS COMPLETED 2<sup>ND</sup> SEPTEMBER 2015  
 UPDATED: 20<sup>TH</sup> FEBRUARY 2020

VERSION 01  
 REVISION NUMBER: 3

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**

None

**10. Stability and Reactivity**

**10.1. Reactivity**

Stable under normal conditions of storage and use

**10.2. Chemical stability**

Stable under normal conditions

**10.3. Possibility of hazardous reactions**

Information not available

**10.4. Conditions to avoid**

Extremes of temperature

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

Decomposes at high temperatures producing toxic nitrogen and sulphur oxide fumes.

**11. Toxicological information**

**11.1. Information on toxicological effects Acute toxicity - oral**

**Acute toxicity – oral**

Notes (oral LD50)

No specific test data are available.

**Acute toxicity – dermal**

Notes (dermal LD50)

No specific test data are available.

**Acute toxicity – inhalation**

Notes (inhalation LC50)

No specific test data are available.

**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 from Eye Damage

SDS COMPLETED 2<sup>ND</sup> SEPTEMBER 2015  
UPDATED: 20<sup>TH</sup> FEBRUARY 2020

VERSION 01  
REVISION NUMBER: 3

**Respiratory sensitisation**

No specific test data are available.

**Skin sensitisation**

Not determined.

**Germ cell mutagenicity**

Genotoxicity - in vitro

This substance has no evidence of mutagenic properties.

**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 - 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**

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.

**Ecotoxicity**

The product is not expected to be toxic to aquatic organisms

**12. Ecological information**

**12.1. Toxicity**

Not classified as hazardous. Provides nutrients essential to plant growth.

**12.2. Persistence and degradability**

The product is slowly degradable.

**12.3. Bioaccumulative potential**

Partition coefficient not known.

**12.4. Mobility in soil**

No data

**12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects**

No data

**13. Disposal considerations**

Disposal route should not permit contamination of groundwater.

**13.1. Waste treatment methods**

Dispose of waste through a reputable waste disposal contractor in accordance with the Environmental Protection Act 1990.

SDS COMPLETED 2<sup>ND</sup> SEPTEMBER 2015  
 UPDATED: 20<sup>TH</sup> FEBRUARY 2020

VERSION 01  
 REVISION NUMBER: 3

**14. Transport information**

**14.1. UN number**

ADR, IMDG, IATA                      Not applicable

**14.2. UN proper shipping name**

ADR, IMDG, IATA                      Not applicable

**14.3. Transport hazard class(es)**

ADR, IMDG, IATA                      Not applicable

**14.4. Packing group**

ADR, IMDG, IATA                      Not applicable

**14.5. Environmental hazards**

Not a marine pollutant

**14.6. Special precautions for user**

None

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**15. Regulatory information**

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

This substance is classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations and the EC Fertiliser Regulations 2003, Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical safety assessment**

Not undertaken for this material

**16. Other information**

Text of the hazard statements mentioned in Section 3:

H302: Harmful if swallowed

H315: Causes skin irritation

H318: Causes serious eye damage

H319: Causes serious eye irritation

Reason for revision

MSDS re-formatted in-line with regulation 453/2010 all sections affected.

**Disclaimer**

The information in this SDS was obtained from sources which we believe to be reliable. Origin Amenity Solutions provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This



**SAFETY DATA SHEET**  
**SYMBIO MYCOGRO 10.2.10 + 3%MgO + 0.6%Fe 50% ORGANIC**

**SDS COMPLETED 2<sup>ND</sup> SEPTEMBER 2015**  
**UPDATED: 20<sup>TH</sup> FEBRUARY 2020**

**VERSION 01**  
**REVISION NUMBER: 3**

document is intended only as a guide to the appropriate handling of the product by properly trained and qualified personnel. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Origin Amenity Solutions makes no warranties or guarantees either express or implied with respect to the information contained herein. The conditions or methods of handling, storage, use or disposal of the product are beyond our control, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product