ECOLAB ZNOJMO, spol. s r.o.

Safety data sheet
according to Regulation (ES) No 1907/2006,as amended by Regulation No 830/2015/EU

Printing date 26.03.2017 Revision: 26.03.2017

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

1.1 Product identifier
Trade name: **SILVAMIX®FORTE 60 /NPK(MgO) 17,5-17,5-10(9)/**
SILVAMIX®R30TE /NPK(MgO) 10-7-18(7,5)+TE/
SILVAMIX®FORTE 60TE /NPK(MgO)17,5-17,5-10(9)+TE/
Article number: MSDS 597S
1.2 Relevant identified uses of the substance or mixture and uses advised against
Sector of Use Agriculture, forestry, ornamental gardening, house planting, horticulture.
Product category Fertilizers
Application of the substance / the preparation Fertilizer

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
ECOLAB Znojmo, spol. s.r.o.
Václavské nám.1
669 02 Znojmo, Czech Republic
e-mail.info@silvamix.com
Competent person RNDr.Martinů Vlastimil, martinu@ecolab.cz, Tel:+420737259500
1.4 Emergency telephone number: Toxicological center +420224919293,+420224915402,+420224914575

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
The product is not classified according to the CLP regulation.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void
Hazard statements Void
2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

* SECTION 3: Composition/information on ingredients

3.2 Mixtures
Dangerous components:

CAS: 7757-79-1 potassium nitrate 10-25%
EINECS: 231-818-8 Ox. Sol. 2, H272

CAS: 1309-48-4 magnesium oxide 10-25%
EINECS: 215-171-9

* SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
No special measures required.
Will a health problem or if in doubt,talk to your doctor and give him information on this data sheet.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Immediately rinse with water.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing: If symptoms persist consult doctor.
4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

* SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: Water with full jet
5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
5.3 Advice for firefighters
Protective equipment: Wear fully protective suit.

* SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
For exposure controls and personal protection measures, see section 8.
6.2 Environmental precautions: No special measures required.
6.3 Methods and material for containment and cleaning up: Pick up mechanically.
6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.
Handling: Not required.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Store away from foodstuffs.
Further information about storage conditions: None.
Storage class:
Class according to regulation on flammable liquids: Void
7.3 Specific end use(s) No further relevant information available.

* SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:

1309-48-4 magnesium oxide

WEL Long-term value: 10* 4** mg/m³
(as Mg) *inhalable dust **fume and respirable dust
CAS No. Designation of material % Type Value Unit Not required.
Additional information: The lists valid during the making were used as basis.

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8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Respiratory protection: Not required.
Recommended filter device for short term use: Not required
Protection of hands: Plastic gloves
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
For the permanent contact gloves made of the following materials are suitable: Fine medical gloves
Eye protection: During normal use, does not require protection.
Body protection: Light weight protective clothing

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:

Form:	Tablets
Colour:	Light brown
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	7.4
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Partly soluble.
Partition coefficient (n-octanol/water):	Data are not know.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC)	0.00 %

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9.2 Other information No further relevant information available.

* SECTION 10: Stability and reactivity

10.1 Reactivity
10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions No dangerous reactions known.
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

* SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity:
Primary irritant effect:
on the skin: No irritant effect.
on the eye: No irritating effect.
Sensitization: No sensitizing effects known.
Toxicokinetics, metabolism and distribution Unknow.
Repeated dose toxicity Data are not know.

* SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential unspecifird
12.4 Mobility in soil No further relevant information available.
Additional ecological information:
General notes: Not known to be hazardous to water.
12.5 Results of PBT and vPvB assessment Not applicable.
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

* SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Fully miscible
European waste catalogue
06 10 99 wastes not otherwise specified
Uncleaned packaging:
Recommendation: Non contaminated packagings may be recycled.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

* SECTION 14: Transport information

14.1 UN-Number
ADR not applicable

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14.2 UN proper shipping name	No
14.3 Transport hazard class(es)	No
14.4 Packing group	No
ADR	not applicable
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.

* SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulations:
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
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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006).
Regulation (EC) No 830/2015
Classification according to VbF: Void
Waterhazard class: Generally not hazardous for water.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
H272 May intensify fire; oxidiser.
Training hints Once a year in the range of MSDS.

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
SVHC: Substances of Very High Concern
Sources prescriptiom producer
*** Data compared to the previous version altered.**