

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/8

O-mix 18-18-18 Std

Revision 4
Revision date 2018-09-12

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

1.1. Product identifier

Product name O-mix 18-18-18 Std

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

Description Fertiliser.

1.3. Details of the supplier of the safety data sheet

Company Omex Agriculture Ltd
Address Bardney Airfield
Tupholme
Lincoln
LN3 5TP
United Kingdom
Web www.omex.co.uk
Telephone 01526 396000
Fax 01526 396001
Email enquire@omex.com
Email address of the competent person Safety@omex.com

1.4. Emergency telephone number

Emergency telephone number 01526 396000
9 - 5 Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC
C; R34
Symbols: C: Corrosive.
Main hazards Causes burns.
2.1.2. Classification - EC 1272/2008
Skin Corr. 1B: H314; Aquatic Chronic 3: H412;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statement:
Prevention

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.

O-mix 18-18-18 Std

Revision 4
Revision date 2018-09-12

2.2. Label elements

Precautionary Statement: Response	P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to waste collection or recycling, after thorough rinsing, in compliance with local and national regulations

2.3. Other hazards

Other hazards	Harmful if swallowed, in contact with skin or if inhaled.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Urea Phosphate		4861-19-2		01-2119489460-34	10 - 20%	C; R34	
Potassium Nitrate		7757-79-1	231-818-8	01-2119488224-35 01-2119488224-35 01-2119488224-35	10 - 20%	O; R8	
Manganese sulphate	025-003-00-4	7785-87-7	232-089-9	01-2119456624-35	0 - 0.5%	Xn; R48/20/22 N; R51/53	
boric acid. .	005-007-00-2	10043-35-3	233-139-2		0 - 0.5%	Repr. Cat. 2; R60-61	
Sodium Molybdate		7631-95-0	231-551-7	01-2119489495-21	0 - 0.5%	Xi; R36/37/38	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Urea Phosphate		4861-19-2		01-2119489460-34	10 - 20%	Skin Corr. 1B: H314;	
Potassium Nitrate		7757-79-1	231-818-8	01-2119488224-35 01-2119488224-35 01-2119488224-35	10 - 20%	Ox. Sol. 3: H272;	
Potassium hydrogensulphate	016-056-00-4	7646-93-7	231-594-1		0.5 - 1%	Skin Corr. 1B: H314; STOT SE 3: H335;	
boric acid. .	005-007-00-2	10043-35-3	233-139-2		0 - 0.5%	Repr. 1B: H360FD;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Harmful by inhalation. Avoid breathing dust/fume/gas/mist/vapours/spray. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Causes burns. Risk of serious damage to eyes. Causes severe inflammation and may damage the cornea. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.
Skin contact	Harmful in contact with skin. Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting. DO NOT INDUCE VOMITING.

O-mix 18-18-18 Std

Revision 4

Revision date 2018-09-12

4.1. Description of first aid measures

	Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Seek medical attention.
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4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Harmful by inhalation. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation may cause nausea and vomiting.
Eye contact	Causes burns. Risk of serious damage to eyes. Causes severe inflammation and may damage the cornea.
Skin contact	Causes burns. Harmful in contact with skin.
Ingestion	Harmful in contact with skin and if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting.

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

Inhalation	Harmful by inhalation. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation may cause nausea and vomiting. Remove the affected person from the source of contamination immediately. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.
Skin contact	Harmful in contact with skin. Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention.
Ingestion	Harmful by inhalation and if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

	This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe. Do not flush into surface water.
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6.3. Methods and material for containment and cleaning up

	Collect and reuse if possible. Otherwise: Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. To clean the floor and all objects contaminated by this material, use water.
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6.4. Reference to other sections

	See section 2, 8, 13 for further information.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

O-mix 18-18-18 Std

Revision 4

Revision date 2018-09-12

7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. Store at temperatures between 5 °C and 20 °C.
Suitable packaging	Plastic containers.


SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Manganese sulphate	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 0.5 WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Potassium Nitrate	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 20.8 WEL 15 min limit mg/m3: 10 WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Sodium Molybdate	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 5 As Mo WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Urea Phosphate	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: WEL 15 min limit mg/m3: 15 WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable protective clothing.
Eye / face protection	In case of splashing, wear: Eye protection. Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear suitable protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

O-mix 18-18-18 Std

Revision 4

Revision date 2018-09-12

9.1. Information on basic physical and chemical properties

Appearance	Solid/Powder
Colour	Red
Odour	Mild
Odour threshold	No data available
pH	No data available
Melting point	No data available
Initial boiling point	Not applicable.
Flash point	No data available
Evaporation rate	Not applicable.
Flammability (solid, gas)	No data available
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data is available on this product.
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10.4. Conditions to avoid

	No data is available on this product.
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10.5. Incompatible materials

	Will not decompose if stored and used as recommended.
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10.6. Hazardous decomposition products

	No data is available on this product.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful by inhalation, in contact with skin and if swallowed.
Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Causes burns. Risk of serious damage to eyes.

O-mix 18-18-18 Std

Revision 4
Revision date 2018-09-12

11.1. Information on toxicological effects

Respiratory or skin sensitisation	May cause respiratory irritation.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.

11.1.4. Toxicological Information

Potassium Nitrate	Dermal Rat LD50: 2000 Inhalation Rat LC50/4 h: 527 mg/m3	Oral Rat LD50: 2000
Sodium Molybdate	Oral Rat LD50: 520mg/kg	
Urea Phosphate	Oral Rat LD50: 2600	

SECTION 12: Ecological information

12.1. Toxicity

	Not determined
	No data is available on this product. May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

	Warning - this preparation contains a substance not yet tested completely.
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12.3. Bioaccumulative potential

	Caution - substance not yet fully tested.
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Partition coefficient

	O-mix 18-18-18 Std No data available Potassium Nitrate Not applicable. Sodium Molybdate No data available	Urea Phosphate Not applicable. Manganese sulphate Not applicable.
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12.4. Mobility in soil

	Caution - substance not yet fully tested.
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12.5. Results of PBT and vPvB assessment

	Warning - this preparation contains a substance not yet tested completely.
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12.6. Other adverse effects

	Warning - this preparation contains a substance not yet tested completely.
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SECTION 13: Disposal considerations

General information

	Do NOT reuse empty containers.
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Disposal methods

	Can be sent to landfill if in compliance with local and national regulations.
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Disposal of packaging

	Empty containers can be cleaned with water. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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O-mix 18-18-18 Std

Revision 4

Revision date 2018-09-12

14.2. UN proper shipping name	
	The product is not classified as dangerous for carriage.
14.3. Transport hazard class(es)	
	The product is not classified as dangerous for carriage.
14.4. Packing group	
	The product is not classified as dangerous for carriage.
14.5. Environmental hazards	
	The product is not classified as dangerous for carriage.
14.6. Special precautions for user	
	The product is not classified as dangerous for carriage.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
	The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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 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.

SECTION 16: Other information

Other information	
Revision	This document differs from the previous version in the following areas: 1 - Intended use. 11 - 11.1.4. Toxicological Information. 14 - IMDG.
Text of risk phrases in Section 3	R8 - Contact with combustible material may cause fire. R34 - Causes burns. R36/37/38 - Irritating to eyes, respiratory system and skin. R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R60 - May impair fertility. R61 - May cause harm to the unborn child.
Text of Hazard Statements in Section 3	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Ox. Sol. 3: H272 - May intensify fire; oxidiser. STOT SE 3: H335 - May cause respiratory irritation. Repr. 1B: H360FD - May damage fertility. May damage the unborn child.

Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in

O-mix 18-18-18 Std

Revision 4

Revision date 2018-09-12

Further information

	combination with any other materials or in any other process.
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