

SAFETY DATA SHEET

BREXIL Mn

		ubstance/mixture and of the company/undertaking
1.1. Droduct	Product identifier	. Mixturee
Product Trade n		: Mixtures : Brexil Mn
Product		: 1284
0	Delever the official second de	
.2.	Relevant identified uses of the su	ibstance or mixture and uses advised against
.2.1.	Relevant identified uses	
lse of t	ne substance/mixture	: Fertilizer
.2.2.	Uses advised against	
lo addi	ional information available	
.3.	Details of the supplier of the safe	tv data sheet
	Details of the supplier of the sale	
AGRITE	ADE	
	Mann Place	
	urch Airport urch 8053	
Jew Ze		
	41 4587	
	341 4584	
	one 0800 333 855	
gritfad	e@nzagritrade.co.nz	
.4.	Emergency telephone number	
merec		
merge	ncy number	: 24 Hour Emergency Contact: 0800 CHEMCALL (0800 243622)
-	-	 24 Hour Emergency Contact: 0800 CHEMCALL (0800 243622) 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre)
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NZ POI SECT 2.1.	SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of	: 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture
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NZ POI: SECT 2.1. Classific HSNO (8.3A - S 6.9B - S	SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of ation according to the Hazardous Sub classification: ubstances that are corrosive to ocular	 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture postances (Classification) Notice 2020, New Zealand: r tissue target organs or systems
NZ POI SECT 2.1. Classific HSNO (8.3A - S 6.9B - S 9.1B - S Hazard	SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of ation according to the Hazardous Sub classification: ubstances that are corrosive to ocular ubstances that are harmful to human ubstances that are ecotoxic in the aqu statement codes:	 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture postances (Classification) Notice 2020, New Zealand: r tissue target organs or systems
NZ POI: SECT 2.1. Classific HSNO (3.3A - S 3.9B - S 9.1B - S Hazard H318 - (SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of ation according to the Hazardous Sub classification: ubstances that are corrosive to ocular ubstances that are harmful to human ubstances that are ecotoxic in the aqu statement codes: Causes serious eye damage	 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture postances (Classification) Notice 2020, New Zealand: r tissue target organs or systems Jatic environment
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ECT SECT Classifie ISNO (SA - S SB - S IB - S Iazard I318 - (I373 - 1)	SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of ation according to the Hazardous Sub classification: ubstances that are corrosive to ocular ubstances that are harmful to human ubstances that are ecotoxic in the aqu statement codes: Causes serious eye damage	 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture postances (Classification) Notice 2020, New Zealand: r tissue target organs or systems Jatic environment hrough prolonged or repeated exposure (Inhalation)
IZ POI ECT .1. Classific ISNO (.3A - S .9B - S .1B - S lazard I318 - (I373 - 1 I411 - Precaut	SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of ation according to the Hazardous Sub Classification: ubstances that are corrosive to ocular ubstances that are corrosive to acular ubstances that are corrosive to acular istatement codes: Causes serious eye damage May cause damage to organs (brain) to force to aquatic life with long lasting efficiency ionary statement codes – Preventio	 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture postances (Classification) Notice 2020, New Zealand: r tissue target organs or systems uatic environment through prolonged or repeated exposure (Inhalation) ffects
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SECT Classific S.3A - S S.9B - S J.1B - S Hazard H373 - I H411 - Precaut P102 - I P103 - I P260 - I	SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of ation according to the Hazardous Sub classification: ubstances that are corrosive to ocular ubstances that are corrosive to ocular statement codes: Causes serious eye damage May cause damage to organs (brain) t "oxic to aquatic life with long lasting efficient composition of the children Read label before use Do not breathe dust/fume/gas/mist/vap	 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture bostances (Classification) Notice 2020, New Zealand: r tissue target organs or systems Jatic environment through prolonged or repeated exposure (Inhalation) ffects n:
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SECT SECT 2.1. Classific 4SNO (3.3A - S 5.9B - S 9.1B - S 4azard 4318 - (1373 - 1 1411 - Precaut Precaut Precaut P260 - 1 P260 - 1 P260 - N Precaut P260 - N Precaut Precaut P260 - N Precaut Precaut P260 - N Precaut Precaut P260 - N Precaut Precaut P260 - N Precaut Precaut P260 - N Precaut	SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of ation according to the Hazardous Sub classification: ubstances that are corrosive to ocular ubstances that are corrosive to ocular ubstances that are ecotoxic in the aqu statement codes: Causes serious eye damage May cause damage to organs (brain) t Toxic to aquatic life with long lasting efficient ionary statement codes – Prevention (seep out of reach of children Read label before use Do not breathe dust/fume/gas/mist/vap woid release to the environment	 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture Destances (Classification) Notice 2020, New Zealand: r tissue target organs or systems uatic environment hrough prolonged or repeated exposure (Inhalation) ffects in: pours/spray e:
NZ POI: SECT 2.1. Classific HSNO (3.3A - S 5.9B - S 9.1B - S Hazard H318 - (H373 - I H411 - Precaut P102 - I P103 - I P260 - I P260 - N P280 - N Precaut P280 - N	SON CENTRE CONTACT ON 2: Hazards identification Classification of the substance of ation according to the Hazardous Sub classification: ubstances that are corrosive to ocular ubstances that are corrosive to ocular statement codes: Causes serious eye damage May cause damage to organs (brain) t coxic to aquatic life with long lasting efficient ionary statement codes – Prevention (See a label before use Do not breathe dust/fume/gas/mist/vap woid release to the environment Vear eye protection, face protection ionary statement codes – Response	 111 Police, Ambulance and Fire Brigade (available in New Zealand only) 0800 764 766 (National Poisons Information Centre) r mixture Destances (Classification) Notice 2020, New Zealand: r tissue target organs or systems uatic environment hrough prolonged or repeated exposure (Inhalation) ffects in: pours/spray e:



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 or doctor P314 - Get medical advice/attention if you feel unwell P391 - Collect spillage

Precautionary statement codes – Disposal:

P501 - Dispose of contents/container to comply with applicable local, national and international regulation



2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

ame	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
anganese(II) sulfate	(CAS No) 7785-87-7	25 - 30	HSNO Approval Code HSR003945 Restrictions / Exclusions: None
ther ingredients not subject to the provisic incentration to 100%	ons of the Hazardous Substances (iden	tification) Regulatio	

Full text of H-statements: see section 16

SECTION 4: First aid measures	

4.1. Description of first aid meas	ures
First-aid measures general First-aid measures after inhalation	 Self-protection of the first aider. Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical advice.
First-aid measures after skin contact	: Remove contaminated clothing immediately and dispose of safely. Wash skin thoroughly with mild soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately call a POISON CENTER (Ph: Australia 131 126; New Zealand 0800 764 766) or doctor/ physician.
4.2. Most important symptoms a	nd effects, both acute and delayed
Symptoms/injuries after inhalation Symptoms/injuries after skin contact	 Inhalation may cause irritation, cough, shortness of breath. May cause moderate irritation. Redness. Itching. Pain.



Symptoms/injuries after ingestion	: Severe irritation or burns to the mouth, throat, oesophagus, and stomach. Vomiting. Abdominal pain. Digestive disorder.
4.3. Indication of any immediate med	ical attention and special treatment needed
	medical advice immediately (show the label where possible).
SECTION 5: Firefighting measures	
5.1. Extinguishing media	· Water spray, dry chamical feam, carbon diavida
Suitable extinguishing media	: Water spray, dry chemical, foam, carbon dioxide.: None known.
Unsuitable extinguishing media	
5.2. Special hazards arising from the	
Fire hazard Hazardous decomposition products in case of fire	 Do not inhale explosion and combustion gases. On combustion forms: carbon oxides (CO and CO2). Nitrogen oxides. Sulfur oxide Manganese Oxide.
5.3. Advice for firefighters	
Precautionary measures fire	: Evacuate the personnel away from the fumes.
Firefighting instructions	 Cool down the containers exposed to heat with a water spray. Move undamage containers from immediate hazard area if it can be done safely. Extra personal protection: complete protective clothing including self-container
Other information Hazchem Code	breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. 2Z
SECTION 6: Accidental release me	easures
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye/face protection.
Emergency procedures Measures in case of dust release	 Alert emergency personnel. Eliminate all ignition sources if safe to do so. Provid adequate ventilation. Dust production: dust mask with filter type P2.
6.1.2. For emergency responders	
Protective equipment Emergency procedures	 Wear suitable protective clothing, gloves and eye/face protection. Avoid breathin dust/fume/gas/mist/vapours/spray. Dust production: dust mask with filter type P2. Evacuate unnecessary personnel. Avoid generation of dust. Dust may form explosive
	mixture in air. Eliminate all ignition sources if safe to do so.
6.2. Environmental precautions	
	orities if liquid enters sewers or public waters.
6.3. Methods and material for contain	
For containment Methods for cleaning up	 Stop leak if safe to do so. Ventilate affected area. Wear personal protection equipment. Minimize generation dust. Wash with plenty of soap and water. Absorb with liquid-binding material (e. sand, diatomaceous earth, acid- or universal binding agents). Consult the appropria authorities about waste disposal.
Other information	: Do not allow uncontrolled discharge of product into the environment.
6.4. Reference to other sections	
For disposal of residues refer to section 13 : I controls/personal protection".	Disposal considerations. For further information refer to section 8: "Exposure
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid contact with skin and eyes. Keep away from sources of ignition - No smokin

ions for safe handling	: Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking.
	Take any precaution to avoid mixing with Incompatible materials. Minimize generation
	of dust. Open and handle container with care. Avoid breathing dust, mist or spray.



Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
7.2. Conditions for safe	storage, including any incompatibilities
Storage conditions Incompatible products Heat and ignition sources Prohibitions on mixed storage	 Keep in original containers. Store tightly closed in a dry, cool and well-ventilated place. Keep out of direct sunlight. Use care during processing to minimize generation of dust. Explosive dust-air mixtures may form. Alkali. Oxidizing agent. reducing agents. Keep away from open flames, hot surfaces and sources of ignition. Keep away from food, drink and animal feeding stuffs.
7.3. Specific end use(s)	
No additional information availa	able

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

New Zealand Workplace Exposure Standard:

No value assigned for any of the ingredients by the New Zealand Department of Labour (Health & Safety).

Manganese(II) sulfate (7785-87-7)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	0.00414 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0.2 mg/m ³	
DNEL/DMEL (General population)	-	
Long-term - systemic effects, inhalation	0.043 mg/m ³	
Long-term - systemic effects, dermal	0.0021 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0.0128 mg/l	
PNEC aqua (marine water)	0.0004 mg/l	
PNEC aqua (intermittent, freshwater)	0.03 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.0114 mg/kg dwt	
PNEC sediment (marine water)	0.00114 mg/kg dwt	
PNEC (Soil)		
PNEC soil	25.1 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	0.56 mg/l	

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation.

Personal protective equipment:

Safety glasses. Gloves. Protective clothing. Dust production: dust mask with filter type P2.

Materials for protective clothing:

Rubbers. PVC (Polyvinyl chloride). Natural fibres (e.g. cotton)

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Break through time: ≥ 480 min. Thickness of glove material: 0.7 mm. Protective gloves made of rubber or PVC

Eye protection:

Wear eye glasses with side protection according to EN 166



Skin and body protection:

Chemical resistant protective apron/clothing (tested to EN 14605 or equivalent)

Respiratory protection:

Wear a respirator conforming to EN140 with Type A/P2 filter or better. particle filter device (DIN EN 143)



Environmental exposure controls:

Do not allow into drains or water courses. Do not allow to enter into soil/subsoil.

1. Information on basic physical a	nd chemical properties	
nysical state	: Solid	
blour	: brown.	
lour	: coffee.	
dour threshold	: No data available	
	: No data available	
Isolution	: 3.3 1% (t = 20°C)	
elative evaporation rate (butylacetate=1)	: No data available	
elting point	: Not applicable	
eezing point	: Not applicable	
iling point	: not applicable, solid	
ash point	: No data available	
to-ignition temperature	: No data available	
ecomposition temperature	: No data available	
ammability (solid, gas)	: Not applicable Not flammable	
apour pressure	: not applicable, solid	
apour pressure at 50 °C	: not applicable, solid	
elative vapour density at 20 °C	: not applicable, solid	
elative density	: No data available	
ensity olubility	: 0.65 kg/l : Water: 400 g/l at 20°C	
ng Pow	: No data available	
scosity, kinematic	: No data available	



VALAGRO SDS according to to HSNO Regulations – NZ EPA Revision date: 17/09/2021 version number: 1.1 Product: Brexil Mn

Code: 1284 Print Date: September 17, 2021

Viscosity, dynamic	: No data available
Explosive properties	: not applicable. Not expected to be explosive as none of the components is classified a explosive.
Oxidising properties	: Not oxidising. None of the components are classified for oxidizing properties.
Explosive limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and	l reactivity
10.1. Reactivity	
Stable under normal conditions of	use.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardou	
The second se	IS reactions
None under normal conditione No.	polymerization. May react with alkalia such as lime to generate ammonia vanaura
None under normal conditions. No	polymerization. May react with alkalis such as lime to generate ammonia vapours.
	polymerization. May react with alkalis such as lime to generate ammonia vapours.
10.4. Conditions to avoid Overheating. Avoid generation of c	
10.4. Conditions to avoid Overheating. Avoid generation of c	
10.4. Conditions to avoid Overheating. Avoid generation of c source.	dust. Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition
10.4.Conditions to avoidOverheating. Avoid generation of c source.10.5.Incompatible materials	dust. Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition
10.4.Conditions to avoidOverheating. Avoid generation of c source.10.5.Incompatible materials Acids. alkalis. Oxidizing agent.	dust. Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition
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 10.4. Conditions to avoid Overheating. Avoid generation of consource. 10.5. Incompatible materials Acids. alkalis. Oxidizing agent. 10.6. Hazardous decomposite When exposed to heat, may decorres May react with alkalis such as lime 	dust. Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition tion products mpose liberating hazardous gases. Nitrogen oxides (NOx). Carbon dioxide (CO2). Manganese Oxide e to generate ammonia vapours.
10.4. Conditions to avoid Overheating. Avoid generation of consource. Incompatible materials 10.5. Incompatible materials Acids. alkalis. Oxidizing agent. Incompatible materials 10.6. Hazardous decomposition When exposed to heat, may decomposition May react with alkalis such as lime SECTION 11: Toxicological Incompatible construction	dust. Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition tion products mpose liberating hazardous gases. Nitrogen oxides (NOx). Carbon dioxide (CO2). Manganese Oxide to generate ammonia vapours. al information
 10.4. Conditions to avoid Overheating. Avoid generation of consource. 10.5. Incompatible materials Acids. alkalis. Oxidizing agent. 10.6. Hazardous decomposite When exposed to heat, may decorr May react with alkalis such as lime SECTION 11: Toxicologica 	dust. Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition tion products mpose liberating hazardous gases. Nitrogen oxides (NOx). Carbon dioxide (CO2). Manganese Oxide to generate ammonia vapours. al information
10.4.Conditions to avoidOverheating. Avoid generation of c source.10.5.Incompatible materialsAcids. alkalis. Oxidizing agent.10.6.Hazardous decompositWhen exposed to heat, may decor May react with alkalis such as limeSECTION 11: Toxicologica11.1.Information on toxicologica	dust. Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition tion products mpose liberating hazardous gases. Nitrogen oxides (NOx). Carbon dioxide (CO2). Manganese Oxide to generate ammonia vapours. al information ogical effects
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 10.4. Conditions to avoid Overheating. Avoid generation of consource. 10.5. Incompatible materials Acids. alkalis. Oxidizing agent. 10.6. Hazardous decomposition When exposed to heat, may decorr May react with alkalis such as lime SECTION 11: Toxicologica 11.1. Information on toxicologica Acute toxicity 	dust. Accumulation of airborne dusts may present an explosion hazard in the presence of an ignition tion products mpose liberating hazardous gases. Nitrogen oxides (NOx). Carbon dioxide (CO2). Manganese Oxide to generate ammonia vapours. al information ogical effects : Not classified

Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Causes serious eye damage.	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
STOT-repeated exposure	: May cause damage to organs (brain) through prolonged or repeated exposure (Inhalation).	
Aspiration hazard	: Not classified	



SECTION 12: Ecological information

12.1. Toxicity

Manganese(II) sulfate (7785-87-7)		
LC50 fish 1 14.5 mg/l (96h - Oncorhynchus mykiss - Davies PH (1980))		
EC50 Daphnia 1	9.8 mg/l (48h - Daphnia magna - Biesinger KE & Christensen GM (1994))	
EC50 72h algae (1)	61 mg/l (72h - Desmodesmus subspicatus - Growth Inhibition Test - Vryenhoef H (2010))	
NOEC chronic fish	0.6 mg/l (4 mo Oncorhynchus mykiss - Davies P & Brinkman S (1994))	
NOEC chronic crustacea 5700 ng/l (3 week - Daphnia magna - Biesinger KE & Christensen GM (1994)		

12.2.	2.2. Persistence and degradability			
Brexi	Brexil Mn			
Persistence and degradability		The methods for determining the biological degradability are not applicable to inorganic substances.		

12.3.	12.3. Bioaccumulative potential		
Brexil	Mn		
Bioacc	Bioaccumulative potential Product does not contain any bioaccumulative substance.		

12.4. Mobility in soil

No additional information available

Brexil Mn	
This substance/mixture does not meet	the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet	the vPvB criteria of REACH regulation, annex XIII
Results of PBT assessment	The components in this formulation do not meet the criteria for classification as PBT or vPvB.

No additional information available

SECTIO	ON 13: Disposal conside	ratic	ons
13.1.	Waste treatment methods		
Waste tre	eatment methods	:	Reuse or recycle following decontamination. External recovery and recycling of waste should comply with applicable local and/or national regulations.

SECTION 14: Transport information						
In accordance	In accordance with ADR / RID / IMDG / IATA / AND / NZS 5433:2012 Transport of Dangerous Goods on Land					
ADR / RID	IMDG	ΙΑΤΑ	ADN	NZS5433:2012		
14.1. UN r	number					
3077	3077	3077	3077	3077		



ADR / RID	IMDG	ΙΑΤΑ	ADN	NZS5433:2012
14.2. UN proper shi	pping name			
ENVIRONMENTALLY	ENVIRONMENTALLY	Environmentally	ENVIRONMENTALLY	ENVIRONMENTALLY
HAZARDOUS	HAZARDOUS	hazardous substance,	HAZARDOUS	HAZARDOUS
SUBSTANCE, SOLID,	SUBSTANCE, SOLID,	solid, n.o.s.	SUBSTANCE, SOLID,	SUBSTANCE, SOLID,
N.O.S.	N.O.S.		N.O.S.	N.O.S.
Transport document de				1
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
ENVIRONMENTALLY	ENVIRONMENTALLY	Environmentally	ENVIRONMENTALLY	ENVIRONMENTALLY
HAZARDOUS	HAZARDOUS	hazardous substance,	HAZARDOUS	HAZARDOUS
SUBSTANCE, SOLID,	SUBSTANCE, SOLID,	solid, n.o.s., 9, III	SUBSTANCE, SOLID,	SUBSTANCE, SOLID,
N.O.S., 9, III, (E)	N.O.S., 9, III, MARINE POLLUTANT		N.O.S., 9, III	N.O.S., 9, III
	POLLUTANT			
14.3. Transport haz	ard class(es)		111111	
9	9	9	9	9
14.4. Packing group				
		Ш	111	
14.5. Environmenta	l hazards	÷	·	
Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the
environment : Yes	environment : Yes	environment : Yes	environment : Yes	environment : Yes
	Marine pollutant : Yes			
		upplementary information av		

14.6. Special precautions for user

- Overland transport	
Classification code (ADR)	: M7
Special provisions (ADR)	: 274, 335, 601, 375
Limited quantities (ADR)	: 5kg
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P002, IBC08, LP02, R001
Special packing provisions (ADR)	: PP12, B3
Mixed packing provisions (ADR)	: MP10
Portable tank and bulk container instructions (ADR)	: T1, BK1, BK2
Portable tank and bulk container special provisions (ADR)	: TP33
Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - Packages (ADR)	: SGAV, LGBV : AT : 3 : V13



Special provisions for carriage - Bulk (ADR) Special provisions for carriage - Loading,	: VC1, VC2 : CV13	
unloading and handling (ADR) Hazard identification number (Kemler No.)	: 90	
Orange plates		
orange plates	<u>90</u> 3077	
Tunnel restriction code (ADR)	E	
EAC code	: 2Z	
Hazchem Code	: 2Z	
- Transport by sea		
Special provisions (IMDG)	: 274, 335, 966, 967, 969	122
Limited quantities (IMDG)	: 5 kg	
Excepted quantities (IMDG)	: E1	
Packing instructions (IMDG)	: P002, LP02	
Special packing provisions (IMDG)	: PP12	
IBC packing instructions (IMDG)	: IBC08	
IBC special provisions (IMDG)	: B3	
Tank instructions (IMDG)	: T1, BK1, BK2, BK3	
Tank special provisions (IMDG) EmS-No. (Fire)	: TP33 : F-A	
EmS-No. (Spillage)	: S-F	
Stowage category (IMDG)	: A	
Stowage and handling (IMDG)	: SW23	
- Air transport		
PCA Excepted quantities (IATA)	: E1	
PCA Limited quantities (IATA)	: Y956	
PCA limited quantity max net quantity (IATA)	: 30kgG	
PCA packing instructions (IATA)	: 956	
PCA max net quantity (IATA)	: 400kg	
CAO packing instructions (IATA)	: 956	
CAO max net quantity (IATA)	: 400kg	
Special provisions (IATA)	: A97, A158, A179, A197	
ERG code (IATA)	: 9L	
- Inland waterway transport		
Classification code (ADN)	: M7	
Special provisions (ADN)	: 274, 335, 375, 601	
Limited quantities (ADN)	: 5 kg	
Excepted quantities (ADN)	: E1	
Carriage permitted (ADN)	: T* B**	
Equipment required (ADN)	: PP, A	
Number of blue cones/lights (ADN)	: 0	
- Rail transport		
Classification code (RID)	: M7	
Special provisions (RID)	: 274, 335, 375, 601	
Limited quantities (RID)	: 5kg	
Excepted quantities (RID)	: E1	
Packing instructions (RID)	: P002, IBC08, LP02, R001	
Special packing provisions (RID)	: PP12, B3	E/////////////////////////////////////
Mixed packing provisions (RID) Portable tank and bulk container	: MP10 : T1, BK1, BK2	
instructions (RID)	. 11, DIVI, DIV	
Portable tank and bulk container special	: TP33	
provisions (RID)	-	
Tank codes for RID tanks (RID)	: SGAV, LGBV	
Transport category (RID)	: 3	
	9/11	



	Special provisions for carriage – Packag (RID)	es : W13
	Special provisions for carriage – Bulk (R	ID) : VC1, VC2
	Special provisions for carriage - Loading	, : CW13, CW31
	unloading and handling (RID) Colis express (express parcels) (RID)	: CE11
	Hazard identification number (RID)	: 90
	14.7. Transport in bulk according	to Annex II of Marpol and the IBC Code
	Not applicable	
	SECTION 15: Regulatory infor	mation
		ental regulations/legislation specific for the substance or mixture
		ental regulations/legislation specific for the substance of mixture
	15.1.1. EU-Regulations	
	Contains no REACH substances with An	
	Contains no substance on the REACH c	
4		
	Contains no REACH Annex XIV substan	ces
	45.4.0 Notice of regulations	
	15.1.2. National regulations	
	New Zealand	
	Classification:	: Classified as hazardous according to the Hazardous Substances (Classification) Notice 2020, New Zealand.
	National Chemical Inventories (NZIoC)	: All components are listed on the New Zealand Inventory of Chemicals
	HSNO Approval Number (Group Standar	rd) : HSR002571. Fertiliser (Subsidiary Hazard) Group Standard 2006
	15.2. Chemical safety assessment	t

For the following substances of this mixture a chemical safety assessment has been carried out

SECTION 16: Other information

Issue date: September 17,2021

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:					
Eye Dam. 1	H318	Calculation method			
STOT RE 2	H373	Calculation method			
Aquatic Chronic 2	H411	Calculation method			

Abbreviations and acronyms:

SDS	Safety Data Sheet
CAS	Chemical Abstracts Service
GHS	Globally Harmonised System
CSR	Chemical Safety Report
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
DNEL	Derived-No Effect Level
EC50	Median effective concentration
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration



OECD	Organisation for Economic Co-operation and Development	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
	PVC (Polyvinyl chloride).	
PNEC	Predicted No-Effect Concentration	
PBT	Persistent Bioaccumulative Toxic	
vPvB	Very Persistent and Very Bioaccumulative	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	

Other information

: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H318	Causes serious eye damage
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects