

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 11/18/2021 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: Best Turf Supreme 16-6-8 plus Trimec
Product code	: M74070
1.2. Recommended use and restrictions of	on use
Use of the substance/mixture	: Fertilizer/Herbicide
1.3. Supplier	
JR Simplot Company	
P.O. Box 70013	
Boise, ID 83707	
T 1-208-336-2110	
1.4. Emergency telephone number	
Emergency number	: CHEMTREC 1-800-424-9300
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mi	xture
GHS-US classification	
Serious eye damage/eye irritation, Category 2B Skin sensitisation, Category 1	
Carcinogenicity, Category 2	H317 May cause an allergic skin reaction. H351 Suspected of causing cancer.
Specific target organ toxicity — Single exposure	e, Category 3, Respiratory tract irritation H335 May cause respiratory irritation.
Full text of H statements : see section 16	
2.2. GHS Label elements, including preca	autionary statements
GHS US labelling	
Hazard pictograms (GHS US)	
Signal word (GHS US)	: Warning
Hazard statements (GHS US)	 H317 - May cause an allergic skin reaction. H320 - Causes eye irritation H335 - May cause respiratory irritation. H351 - Suspected of causing cancer.
Precautionary statements (GHS US)	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing must not be allowed out of the workplace P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - If on skin: Wash with plenty of water/ 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. P308+P313 - If exposed or concerned: Get medical attention P312 - Call a poison center/doctor/ if you feel unwell P321 - Specific treatment (see supplemental first aid instruction on this label) P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
ammonium sulfate	(CAS-No.) 7783-20-2		Eye Irrit. 2B, H320 STOT SE 3, H335
Monoammonium Phosphate	(CAS-No.) 7722-76-1		Eye Irrit. 2B, H320 STOT SE 3, H335
potassium sulfate	(CAS-No.) 7778-80-5		Not classified
Iron Oxysulfate			Eye Irrit. 2B, H320
Sand			STOT SE 3, H335
2,4-dichlorophenoxyacetic acid	(CAS-No.) 94-75-7		Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 Aquatic Chronic 3, H412
Manganese Oxysulfate			Eye Irrit. 2B, H320
mecoprop	(CAS-No.) 93-65-2		Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
dicamba	(CAS-No.) 1918-00-9		Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effect	ts (acute and delayed)
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
4.3. Immediate medical attention and sp	ecial treatment, if necessary
No additional information available	
SECTION 5: Fire-fighting measures	

	in o. The ingitting measures	
5.1.	Suitable (and unsuitable) extinguishir	ng media
Suitable	extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitat	ble extinguishing media	: Do not use a heavy water stream.

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5.2. Specific hazards arising fr	om the chemical
5.3. Special protective equipm	ent and precautions for fire-fighters
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental relea	se measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
6.1.1. For non-emergency perso	nnel
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responder Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precaution	
Prevent entry to sewers and public wa	ters. Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for o	containment and cleaning up
Methods for cleaning up	: On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.
6.4. Reference to other section	S
See Heading 8. Exposure controls and	I personal protection.
SECTION 7: Handling and st	orage
7.1. Precautions for safe hand	ing
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
7.2. Conditions for safe storag	e, including any incompatibilities
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Best Turf Supreme 16-6-8 plus Trimec
No additional information available
2,4-dichlorophenoxyacetic acid (94-75-7)
No additional information available
mecoprop (93-65-2)
No additional information available
dicamba (1918-00-9)
No additional information available
ammonium sulfate (7783-20-2)
No additional information available
Monoammonium Phosphate (7722-76-1)
No additional information available
potassium sulfate (7778-80-5)
No additional information available
Iron Oxysulfate
No additional information available

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Manganese Oxysulfate
No additional information available
Sand
No additional information available

8.2. Appropriate engineering controls

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical pl	roperties
9.1. Information on basic physical and ch	
Physical state	: Solid
Appearance	: Light grey granules.
Colour	: Grey
Odour	: Odorless
Odour threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Not established.	
10.3. Possibility of hazardous reactions	
Not established.	
10.4. Conditions to avoid	
Direct sunlight. Extremely high or low temperature	S.
10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition products	
fume. Carbon monoxide. Carbon dioxide.	
SECTION 11: Toxicological informatic	n
11.1. Information on toxicological effects	. Not along find
Acute toxicity (oral)	: Not classified : Not classified
Acute toxicity (dermal)	: Not classified : Not classified
Acute toxicity (inhalation)	. INULUIASSIIICU
2,4-dichlorophenoxyacetic acid (94-75-7)	
LD50 oral rat	630-774,Rat; Other; Experimental value; 375 mg/kg; Rat
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Experimental value; Other)
mecoprop (93-65-2)	
LD50 oral rat	650 mg/kg (Rat; Literature study)
dicamba (1918-00-9)	
LD50 oral rat	1039 mg/kg (Rat)
LD50 dermal rat LD50 dermal rabbit	2000 mg/kg (Rat) > 2000 mg/kg (Rabbit)
ammonium sulfate (7783-20-2) LD50 oral rat	2840 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg
	2000 mg/kg
Monoammonium Phosphate (7722-76-1) LD50 oral rat	5750 mg/kg (Rat)
LD50 dermal rabbit	<pre>> 7940 mg/kg (Rabbit)</pre>
potassium sulfate (7778-80-5)	
LD50 oral rat	6600 mg/kg (Rat)
Manganese Oxysulfate LD50 oral rat	2150 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes eye irritation.
Respiratory or skin sensitisation Germ cell mutagenicity	: May cause an allergic skin reaction. : Not classified
Carcinogenicity	: Suspected of causing cancer.
2,4-dichlorophenoxyacetic acid (94-75-7)	OD Destible continentation to humans
IARC group	2B - Possibly carcinogenic to humans
mecoprop (93-65-2)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
11/10/0001	

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2,4-dichlorophenoxyacetic acid (94-75-7)	
STOT-single exposure	May cause respiratory irritation.
ammonium sulfate (7783-20-2)	
STOT-single exposure	May cause respiratory irritation.
Monoammonium Phosphate (7722-76-1)	
STOT-single exposure	May cause respiratory irritation.
	·
Sand	Man and a second state of the first
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
/iscosity, kinematic	: No data available
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
ECTION 12: Ecological information	
2.1. Toxicity	
Ecology - water	ENVIRONMENTAL HAZARDS: This product is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where
	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.
2.4-dichlorophenoxyacetic acid (94-75-7)	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking
2,4-dichlorophenoxyacetic acid (94-75-7) LC50 fish 1	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.
LC50 fish 1	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio)
	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.
LC50 fish 1 EC50 Daphnia 1	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1	 soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2)	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (8 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate) 1100 mg/l (96 h; Pimephales promelas; GLP)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2)	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate)
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LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (8cenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate) 1100 mg/l (96 h; Pimephales promelas; GLP) 400 – 450 mg/l (48 h; Daphnia magna; Al>=90%) 7.352 mg/l (240 h; Lemna minor; Growth)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 LC50 fish 2	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 LC50 fish 2 Threshold limit algae 1 Threshold limit algae 2	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate) 1100 mg/l (96 h; Pimephales promelas; GLP) 400 – 450 mg/l (48 h; Daphnia magna; Al>=90%) 7.352 mg/l (240 h; Lemna minor; Growth) 240 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 102.66 mg/l (96 h; Scenedesmus subspicatus; Al>=50%)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 LC50 fish 2 Threshold limit algae 1	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate) 1100 mg/l (96 h; Pimephales promelas; GLP) 400 – 450 mg/l (48 h; Daphnia magna; Al>=90%) 7.352 mg/l (240 h; Lemna minor; Growth) 240 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 102.66 mg/l (96 h; Scenedesmus subspicatus; Al>=50%)
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LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 LC50 fish 2 Threshold limit algae 1 Threshold limit algae 2 dicamba (1918-00-9) LC50 fish 1 LC50 other aquatic organisms 1	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate) 1100 mg/l (96 h; Pimephales promelas; GLP) 400 – 450 mg/l (48 h; Daphnia magna; Al>=90%) 7.352 mg/l (240 h; Lemna minor; Growth) 240 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 102.66 mg/l (96 h; Scenedesmus subspicatus; Al>=50%) 220 mg/l (96 h; Chlorella sp.; Al>=50%) 23 mg/l (96 h; Lepomis macrochirus) 10 – 100 mg/l (96 h)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 LC50 fish 2 Threshold limit algae 1 Threshold limit algae 2 dicamba (1918-00-9) LC50 fish 1 LC50 other aquatic organisms 1 EC50 other aquatic organisms 1 EC50 Daphnia 1	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate) 1100 mg/l (96 h; Pimephales promelas; GLP) 400 – 450 mg/l (48 h; Daphnia magna; AI>=90%) 7.352 mg/l (240 h; Lemna minor; Growth) 240 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 102.66 mg/l (96 h; Scenedesmus subspicatus; AI>=50%) 220 mg/l (96 h; Chlorella sp.; AI>=50%) 23 mg/l (96 h; Lepomis macrochirus) 10 – 100 mg/l (96 h) > 100 mg/l (48 h; Daphnia magna; Locomotor effect)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 LC50 fish 2 Threshold limit algae 1 Threshold limit algae 2 dicamba (1918-00-9) LC50 fish 1 LC50 other aquatic organisms 1 EC50 other aquatic organisms 1 EC50 Daphnia 1 LC50 fish 2	soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate) 1100 mg/l (96 h; Pimephales promelas; GLP) 400 – 450 mg/l (48 h; Daphnia magna; Al>=90%) 7.352 mg/l (240 h; Lemna minor; Growth) 240 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 102.66 mg/l (96 h; Scenedesmus subspicatus; Al>=50%) 220 mg/l (96 h; Chlorella sp.; Al>=50%) 23 mg/l (96 h; Lepomis macrochirus) 10 – 100 mg/l (96 h) > 100 mg/l (48 h; Daphnia magna; Locomotor effect) 28 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 TLM fish 1 Threshold limit algae 1 Threshold limit algae 2 mecoprop (93-65-2) LC50 fish 1 EC50 Daphnia 1 EC50 other aquatic organisms 1 LC50 fish 2 Threshold limit algae 1 Threshold limit algae 2 dicamba (1918-00-9) LC50 fish 1 LC50 other aquatic organisms 1 EC50 other aquatic organisms 1 EC50 Daphnia 1	 soils are permeable, particularly where the water table is shallow, any results in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. 31 – 96 mg/l (96 h; Cyprinus carpio) 90 mg/l (48 h; Daphnia magna) 82 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 375 mg/l (48 h; Lepomis macrochirus) < 0.1 mg/l (Scenedesmus quadricauda; Chronic) 26.4 mg/l (120 h; Selenastrum capricornutum; Growth rate) 1100 mg/l (96 h; Pimephales promelas; GLP) 400 – 450 mg/l (48 h; Daphnia magna; Al>=90%) 7.352 mg/l (240 h; Lemna minor; Growth) 240 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) 102.66 mg/l (96 h; Chlorella sp.; Al>=50%) 223 mg/l (96 h; Lepomis macrochirus) 10 – 100 mg/l (96 h) > 100 mg/l (48 h; Daphnia magna; Locomotor effect)

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ammonium sulfate (7783-20-2)		
LC50 fish 1	126 mg/l (96 h; Poecilia reticulata)	
EC50 Daphnia 1	202 mg/l (96 h; Daphnia magna)	
LC50 fish 2	250 – 480 mg/l (96 h; Brachydanio rerio)	
EC50 Daphnia 2	433 mg/l (50 h; Daphnia magna)	
TLM fish 1	1290 ppm (96 h; Gambusia affinis)	
Monoammonium Phosphate (7722-76-1)		
LC50 fish 1	155 ppm (96 h; Pimephales promelas)	
potassium sulfate (7778-80-5)		
LC50 fish 1	1692.4 mg/l (96 h; Alburnus alburnus)	
LC50 other aquatic organisms 1	> 1000 mg/l (96 h)	
EC50 Daphnia 1	890 mg/l (48 h; Daphnia magna; Static system)	
LC50 fish 2	653 – 796 mg/l (96 h; Lepomis macrochirus)	
EC50 Daphnia 2	1180 mg/l (96 h; Crustacea)	
TLM fish 1	3550 ppm (96 h; Lepomis sp.)	
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h)	
Threshold limit algae 1	2900 mg/l (72 h; Scenedesmus subspicatus)	

2.2. Persistence and degradability		
Best Turf Supreme 16-6-8 plus Trimec		
Persistence and degradability	Not established.	
2,4-dichlorophenoxyacetic acid (94-75-7)		
Persistence and degradability	Readily biodegradable in water. Inhibition of nitrification. Biodegradable in the soil. No (test)data on mobility of the substance available. May cause long-term adverse effects in the environment.	
mecoprop (93-65-2)		
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil. Photodegradation in the air.	
dicamba (1918-00-9)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
ammonium sulfate (7783-20-2)		
Persistence and degradability	Biodegradability in water: no data available. Not established.	
Monoammonium Phosphate (7722-76-1)		
Persistence and degradability	Biodegradability in water: no data available. Not established.	
potassium sulfate (7778-80-5)		
Persistence and degradability	Biodegradability: not applicable. Not established.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
Iron Oxysulfate		
Persistence and degradability	Not established.	
Sand		
Persistence and degradability	Not established.	
2.3. Bioaccumulative potential		
Best Turf Supreme 16-6-8 plus Trimec		
Bioaccumulative potential	Not established.	

2,4-dichlorophenoxyacetic acid (94-75-7)	
BCF fish 1	< 10 (3 days; Leuciscus idus)
BCF other aquatic organisms 1	6 (24 h; Algae)
Partition coefficient n-octanol/water (Log Pow)	2.58 – 2.83 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
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2,4-dichlorophenoxyacetic acid (94-75-7)			
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Not established.		
mecoprop (93-65-2)			
BCF fish 1	1.2 – 5.5 (672 h; Lepomis macrochirus; GLP)		
Partition coefficient n-octanol/water (Log Pow)	1.17 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 23 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
dicamba (1918-00-9)			
Partition coefficient n-octanol/water (Log Pow)	2.21		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.		
ammonium sulfate (7783-20-2)			
Partition coefficient n-octanol/water (Log Pow)	-5.1		
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.		
Monoammonium Phosphate (7722-76-1)			
Bioaccumulative potential	Not bioaccumulative. Not established.		
potassium sulfate (7778-80-5)			
Bioaccumulative potential	Not bioaccumulative. Not established.		
Iron Oxysulfate			
Bioaccumulative potential	Not established.		
Sand			
Bioaccumulative potential	Not established.		
2.4. Mobility in soil			
dicamba (1918-00-9)			
Ecology - soil	Not toxic to bees.		

12.5. Other adverse effects

Other information

: Avoid unintentional release to the environment.

SECTION 13: Disposal considerations	S
13.1. Disposal methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid unintentional release to the environment.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Other information	: No supplementary information available.
Transportation of Dangerous Goods	

Transport by sea

Air transport

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SECTION 15: Regulatory information			
15.1. US Federal regulations			
Best Turf Supreme 16-6-8 plus Trimec			
All components of this product are listed, or exclu Substances Control Act (TSCA) inventory except		n the United States Environmental	Protection Agency Toxic
dicamba		CAS-No. 1918-00-9	%
Iron Oxysulfate		CAS-No.	%
Manganese Oxysulfate		CAS-No.	%
Sand		CAS-No.	%
Chemical(s) subject to the reporting requirements 1986 and 40 CFR Part 372.	s of Section 313 or	r Title III of the Superfund Amendm	ents and Reauthorization Act (SARA) of
mecoprop		CAS-No. 93-65-2	%
dicamba		CAS-No. 1918-00-9	%
2,4-dichlorophenoxyacetic acid (94-75-7)			
Listed on EPA Hazardous Air Pollutant (HAPS)			
CERCLA RQ	100 lb		
dicamba (1918-00-9)			
CERCLA RQ	1000 lb		
15.2. International regulations			
CANADA			
2,4-dichlorophenoxyacetic acid (94-75-7)			
Listed on the Canadian DSL (Domestic Substanc	es List)		
ammonium sulfate (7783-20-2)			
Listed on the Canadian DSL (Domestic Substanc	es List)		
Monoammonium Phosphate (7722-76-1)			
Listed on the Canadian DSL (Domestic Substanc	es List)		
potassium sulfate (7778-80-5)			
Listed on the Canadian DSL (Domestic Substanc	es List)		
Sand			
Not listed on the Canadian DSL (Domestic Subst	ances List)/NDSL	(Non-Domestic Substances List)	
EU-Regulations No additional information available National regulations			
Best Turf Supreme 16-6-8 plus Trimec			
This chemical is a pesticide product registered by requirements under federal pesticide law. These data sheets (SDS), and for workplace labels of no below. The pesticide label also includes other imp TO HUMANS AND DOMESTIC ANIMALS CAUT Avoid breathing dust. Wash thoroughly with soap frequent repeated skin contact while handling the	requirements diffe on-pesticide chem portant information ION: Causes mode and water after ha	r from the classification criteria and icals. The hazard information requi n, including directions for use. PRE erate eye irritation. Harmful if inhal andling. Remove contaminated clo	I hazard information required for safety red on the pesticide label is reproduced CAUTIONARY STATEMENTS HAZARDS ed. Avoid contact with eyes or clothing. thing and wash before reuse. Prolonged or

2,4-dichlorophenoxyacetic acid (94-75-7)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

Component	State or local regulations
2,4-dichlorophenoxyacetic acid(94-75-7)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
mecoprop(93-65-2)	U.S New Jersey - Right to Know Hazardous Substance List
dicamba(1918-00-9)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

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Component	State or local regulations
ammonium sulfate(7783-20-2)	U.S Massachusetts - Right To Know List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Revision date	: 11/18/2021
Data sources	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.
Other information	: None.

Full text of H-statements:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H320	Causes eye irritation
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS US (GHS HazCom 2012)

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date complied. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.