

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1.1.	Product identifier	
Produc	ct name	: Bonide Duraturf Premium Lawn Food 20-0-10
Produc	ct code	: 60460
1.2.	Relevant identified uses of	the substance or mixture and uses advised against
	the substance/mixture	: Fertilizer
1.3.	Details of the supplier of the	ne safety data sheet
-	e Products, Inc.	
	Sutliff Road	
Oriska	ny, NY 13424	
	) 736-8231	
www.b	onide.com	
1.4.	Emergency telephone num	ber
Emerg	ency number	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
	ency number	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
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	ency number	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
<b>SEC</b> 2.1.	ency number FION 2: Hazards identific Classification of the subst	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
SEC 2.1. Classi	ency number FION 2: Hazards identific	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
SEC 2.1. Classi Not cla	ency number FION 2: Hazards identific Classification of the substa fication (GHS-US) assified	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
SEC 2.1. Classi Not cla 2.2.	ency number FION 2: Hazards identifie Classification of the substa fication (GHS-US) assified Label elements	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
SEC 2.1. Classi Not cla 2.2. GHS-U	ency number FION 2: Hazards identifie Classification of the substa fication (GHS-US) assified Label elements JS labeling	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
SEC 2.1. Classi Not cla 2.2. GHS-U	ency number FION 2: Hazards identifie Classification of the substa fication (GHS-US) assified Label elements	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
SEC 2.1. Classi Not cla 2.2. GHS-U	ency number FION 2: Hazards identifie Classification of the substa fication (GHS-US) assified Label elements JS labeling	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
SEC 2.1. Classi Not cla 2.2. GHS-U No lab 2.3.	ency number FION 2: Hazards identific Classification of the substa fication (GHS-US) assified Label elements JS labeling eling applicable	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887
SEC 2.1. Classi Not cla 2.2. GHS-U No lab 2.3.	ency number FION 2: Hazards identific Classification of the substa fication (GHS-US) assified Label elements JS labeling eling applicable Other hazards	: CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887

Mixture	

Name	Product identifier	%	Classification (GHS-US)
Urea	(CAS No) 57-13-6	34.8	Not classified
Muriate of Potash	(CAS No) 7447-40-7	16.2	Not classified
Polymer Coated-Sulfur Urea	(CAS No) 57-13-6	9.4	Not classified
Ferrous Sulfate	(CAS No) 7782-63-0	5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315
Copper Sulfate	(CAS No) 7758-98-7	0.25	Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Manganese Sulfate	(CAS No) 7785-87-7	0.2	STOT RE 2, H373 Aquatic Chronic 2, H411
Zinc sulfate	(CAS No) 7733-02-0	0.15	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium Borate	(CAS No) 1330-43-4	0.1	Not classified
Sodium Molybdate	(CAS No) 10102-40-6	0.002	Not classified

#### **SECTION 4: First aid measures**

4.1.	Description of first aid measures	
First-aid r	neasures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid r	neasures after inhalation	Assure fresh air breathing. Allow the person to rest.

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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 persist.
First-aid measures after ingestion :	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/injuries :	Not expected to present a significant hazard under anticipated conditions of normal use.
4.3. Indication of any immediate medical a	ttention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media :	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media :	Do not use a heavy water stream.
5.2. Special hazards arising from the subs	tance or mixture
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions :	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any
Protection during firefighting :	chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measu	700
6.1. Personal precautions, protective equi	
	Evacuate unnecessary personnel.
Emergency procedures .	L'acuate difficcessary personnel.
6.1.2. For emergency responders	
	Equip cleanup crew with proper protection.
Emergency procedures :	Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters.	
6.3. Methods and material for containment	and cleaning up
Methods for cleaning up :	On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal pre-	otection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling :	Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Protect from moisture.
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions :	Protect from moisture. Keep container closed when not in use. Store in original container.
Incompatible products :	Strong bases. Strong acids.
Incompatible materials :	Sources of ignition.
7.3. Specific end use(s)	
No additional information available	
<b>SECTION 8: Exposure controls/persor</b>	nal protection
8.1. Control parameters	
Ferrous Sulfate (7782-63-0)	
USA ACGIH ACGIH TWA (mg	/m <sup>3</sup> ) 1 mg/m <sup>3</sup>
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Manganese Sulfate (7785-87	·-7)		
USA ACGIH	ACGIH TWA (mg/m³)	0.1 mg/m³	
		-	
Sodium Borate (1330-43-4)			
USA ACGIH	ACGIH TWA (mg/m³)	2 mg/m³	
USA ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>	
Sodium Molybdate (10102-4	0-6)		
USA ACGIH ACGIH TWA (mg/m³) 0.5 mg, USA; T		0.5 mg/m <sup>3</sup> (Molybdenum, Soluble compounds, as Mo; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)	
8.2. Exposure controls			
Personal protective equipment	: Avoid all unnecessary exposure.		
Hand protection : Wear protective gloves.			
Eye protection : Chemical goggles or safety glasses.			
Respiratory protection : Wear approved mask.			
Other information : When using, do not eat, drink or smoke.			
SECTION 9: Physical ar	nd chemical properties		
9.1. Information on basic physical and chemical properties			
Physical state	: Solid		
Appearance	: Mulit-colored granules.		
Color : Multi-colored.			
Odor	. Certilizen eden		

Physical state	: Solid
Appearance	: Mulit-colored granules.
Color	: Multi-colored.
Odor	: Fertilizer odor.
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: partially soluble.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

#### 9.2. **Other information**

No additional information available

SECTI	ON 10: Stability and reactivity
40.4	Prosthuite
10.1.	Reactivity
No additi	onal information available
10.2.	Chemical stability
Stable u	nder normal conditions.

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10.3. Possibility of hazardous reactions		
Not established.		
10.4. Conditions to avoid		
Extremely high or low temperatures.		
10.5. Incompatible materials		
Strong acids. Strong bases.		
10.6. Hazardous decomposition products		
Carbon monoxide. Carbon dioxide.		
SECTION 11: Toxicological information	on	
11.1. Information on toxicological effects		
	: Not classified	
Urea (57-13-6)		
LD50 oral rat	8471 mg/kg (Rat)	
LD50 dermal rat	> 3200 mg/kg (Rat)	
LD50 dermal rabbit	> 21000 mg/kg (Rabbit)	
Polymer Coated-Sulfur Urea (57-13-6)		
LD50 oral rat	> 14300 mg/kg (Rat)	
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)	
Copper Sulfate (7758-98-7)		
LD50 oral rat	300 mg/kg (Rat)	
LD50 dermal rabbit	> 1000 mg/kg (Rabbit)	
Ferrous Sulfate (7782-63-0)		
LD50 oral rat	1480 mg/kg (Rat)	
Manganese Sulfate (7785-87-7)		
LD50 oral rat	2150 mg/kg (Rat; Experimental value)	
Zinc sulfate (7733-02-0)		
LD50 oral rat	1000 - 2000 mg/kg (Rat)	
Sodium Borate (1330-43-4)		
LD50 oral rat	> 2000 mg/kg (Rat)	
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)	
Sodium Molybdate (10102-40-6)		
LD50 oral rat	4233 mg/kg (Rat)	
LD50 dermal rat	> 2000 mg/kg (Rat)	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
	: Not classified	
Specific target organ toxicity (repeated : Not classified exposure) : Not classified exposure)		
• •	: Not classified	
	: Based on available data, the classification criteria are not met.	
SECTION 12: Ecological information		

12.1. Toxicity

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• • •	
Urea (57-13-6)	
LC50 fish 1	> 6810 mg/l (96 h; Leuciscus idus)
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	17500 mg/l (96 h; Poecilia reticulata)
EC50 Daphnia 2	> 10000 mg/l (24 h; Daphnia magna)
TLM fish 1	17500 ppm (96 h; Poecilia reticulata)
Threshold limit other aquatic organisms 1	120000 mg/l (16 h; Bacteria; Toxicity test)
Threshold limit other aquatic organisms 2	> 10000 mg/l (Pseudomonas putida)
Threshold limit algae 2	> 10000 mg/l (168 h; Scenedesmus quadricauda)
-	
Polymer Coated-Sulfur Urea (57-13-6) LC50 fish 1	> 6810 mg/l (LC50; 96 h)
EC50 Daphnia 1	> 10000 mg/l (EC50; 48 h)
Copper Sulfate (7758-98-7)	
LC50 fish 1	0.0199 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Soft water)
EC50 Daphnia 1	0.01 mg/l (48 h; Daphnia magna; Soft water)
LC50 fish 2	0.298 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Hard water)
EC50 Daphnia 2	0.2 mg/l (48 h; Daphnia magna; Hard water)
TLM fish 1	3.8 ppm 24 h; Salmo gairdneri (Oncorhynchus mykiss)
Threshold limit algae 2	1.1 mg/l (Scenedesmus quadricauda)
Ferrous Sulfate (7782-63-0)	
LC50 fish 1	925 mg/l (96 h; Poecilia reticulata)
EC50 Daphnia 1	7.2 mg/l (48 h; Daphnia magna; Metal ion)
LC50 fish 2	> 200 mg/l (48 h; Leuciscus idus)
EC50 Daphnia 2	152 mg/l (48 h; Daphnia magna; Anhydrous form)
Manganese Sulfate (7785-87-7)	
LC50 fish 1	2850 mg/l (96 h; Colisa fasciatus; Manganese ion)
EC50 Daphnia 1	8.28 mg/l (48 h; Daphnia magna)
LC50 fish 2	33.8 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 2	10 mg/l (24 h; Daphnia magna)
Threshold limit algae 1	25.7 mg/l (Phaeodactylum; Growth)
Threshold limit algae 2	61 mg/l (72 h; Desmodesmus subspicatus; GLP)
Zinc sulfate (7733-02-0)	
LC50 fish 1	1.7 mg/l (96 h; Poecilia reticulata)
EC50 Daphnia 1	1 mg/l (24 h; Daphnia magna)
LC50 fish 2	2.4 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	0.56 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	136 µg/l (72 h; Selenastrum capricornutum; Growth rate)
Threshold limit algae 2	24 µg/l (3 days; Selenastrum capricornutum; Growth rate)
Sodium Borate (1330-43-4)	
LC50 fish 1	100 - 1000 mg/l (96 h; Pisces)
LC50 other aquatic organisms 1	100 - 100 mg/l (96 h)
	340 mg/l (24 h; Daphnia magna)
EC50 Daphnia 1	807 mg/l (Leuciscus idus)
LC50 fish 2 TLM fish 1	8200 ppm (48 h; Gambusia affinis)
Threshold limit other aquatic organisms 1	100 - 100,96 h; Protozoa
Threshold limit other aquatic organisms 2	1 mg/l (72 h)
Threshold limit algae 1 Threshold limit algae 2	47 mg/l (96 h; Scenedesmus subspicatus; Growth) 0.58 mg/l (Scenedesmus quadricauda)
12.2. Persistence and degradability	
Bonide Duraturf Premium Lawn Food 20-0-	10
Persistence and degradability	Not established.

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Urea (57-13-6)         Theferently biologradabile, Hydrolysis in water.           Persistence and degradability         Interently biologradabile, Hydrolysis in water.           Polymer Coated-Suitur Urea (57-13-6)         Persistence and degradability           Persistence and degradability         Interently biologradabile. Hydrolysis in water. No (test)data on mobility of the components available.           ThOD         0.27 g O'ig substance           Muriat of Potash (747-47-7)         Persistence and degradability in water. no data available. No (test)data on mobility of the components available.           Bothenical oxygen demand (800)         Not applicable           Chemical avaging demand (800)         Not applicable           Dord         Not applicable           Persistence and degradability         Biodogradability in water. no data available. Biodogradability in soit: no data available.           Marganees Sulfate (778-36-77)         Persistence and degradability           Persistence and degradability         Biodogradability: not applicable. No (test)data on mobility of the substance available.           Marganees Sulfate (778-36-77)         Persistence and degradability           Persistence and degradability         Biodogradability: not applicable. No (test)data on mobility of the substance available.           Boohamical oxygen demand (800)         Not applicable           Chemical oxygen demand (800)         Not applicable <tr< th=""><th>Urop (57.12.6)</th><th></th></tr<>	Urop (57.12.6)		
ThO         0.27 g O'ig substance           Polymer Costed-Sulfur Ura (57-13-6)         Inherently biodegradabile, Hydrolysis in water. No (test)data on mobility of the components available.           Persistence and degradability         Inherently biodegradabile, Hydrolysis in water. No (test)data on mobility of the components available.           Persistence and degradability         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Coper Sulfate (7758-98-7)         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Biochemical oxygen demand (COD)         Not applicable           Persona Sulfate (778-93-7)         Biodegradability in water: no data available. Biodegradability in soil: no data available.           Resistence and degradability         Biodegradability in vater: no data available. Biodegradability in soil: no data available.           Persona Sulfate (778-53-7)         Persona Company Co			
Polymer Coated-Sulfur Urea (57-13-6)           Persistence and degradability         Inherently biodegradabile, Hydrolysis in water. No (test)data on mobility of the components available.           ThOD         0.27 g O'g substance           Muriate of Potsh (747-67)         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Persistence and degradability and degradability in water: no data available. No (test)data on mobility of the components available.           Copper Suifate (7758-98-7)         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Phone on open demand (COD)         Not applicable           Proces Suifate (7782-83-7)         Biodegradability in water: no data available. Biodegradability in soil: no data available.           Persistence and degradability         Biodegradability: not applicable.           Maganese Suifate (7782-83-7)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available.           Maganese Suifate (7733-02.0)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable.           Biochernical oxygen demand (COD)         Not applicable           Biochernical oxygen demand (COD)         Not applicable           Persistence and degradability         Biodegradabi			
Persistence and degradability         Inherently biodegradabile, Hydrolysis in water. No (test)data on mobility of the components available.           ThOD         0.27 g OVg substance           Muriate of Potah (7447-0-7)         Persistence and degradability           Biodegradability         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Copper Suffate (7758-98-7)         Eicohemical oxygen demand (GOD)         Not applicable           Chemical oxygen demand (GOD)         Not applicable         Not applicable           DOD         Not applicable         Not applicable           Persistence and degradability         Biodegradability in water: no data available. Biodegradability in soil: no data available. Adords into the soil.           Marganese Suffate (778-97-7)         Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. ThOD           Marganese Suffate (778-97-7)         Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. ThOD           Marganese Suffate (778-97-7)         Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. ThOD           Suffate (778-97-7)         Persistence and degradability         Biodegradability: not applicable.           Persistence and degradability         Biodegradability: not applicable. <td>-</td> <td>0.27 g O-/g substance</td>	-	0.27 g O-/g substance	
available         available           ThOD         0.27 g O'g substance           Muriate of Potash (7447-40-7)         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Copper Sulfate (7758-93-7)         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Biochemical oxygen demand (BOD)         Not applicable           Copper Sulfate (778-93-7)         Biodegradability in water: no data available. Biodegradability in soil: no data available.           BioChemical oxygen demand (BOD)         Not applicable           Ferrous Sulfate (778-43-0)         Persistence and degradability in soil: no data available. Adoorbs into the soil.           Mangenees Sulfate (778-67-7)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. Adoorbs into the soil.           ThOD         Not applicable (norganic)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable.           ThOD         Not applicable           Chemical oxygen demand (COD)         Not applicable           Persistence and degradability         Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.           Biochemical oxygen demand (COD)         Not applicable			
Muriate of Potash (7447-49-7)         Biodegradability         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Copper Sulfate (7758-98-7)         Biodemrand (BOD)         Not applicable           Demrical oxygen demand (COD)         Not applicable         Mot applicable           DD (% of ThOD)         Not applicable         Mot applicable           Ferrous Sulfate (7782-63-0)         Persistence and degradability in soli: no data available. Adsorbs into the soli.           Manganese Sulfate (7782-63-7)         Persistence and degradability in soli: no data available. Adsorbs into the soli.           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. Adsorbs into the soli.           Manganese Sulfate (7783-62-0)         Persistence and degradability: not applicable. No (test)data on mobility of the substance available. ThOD           Not applicable         Not applicable (norganic)         Zine sulfate (773-62-0)           Persistence and degradability         Biodegradability: not applicable.           Biodemrical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Bood (K of ThOD)         Not applicable           Bood (K of ThOD)         Not applicable           Bood motion demand (BOD)         Not applicable           Bood (K of	Persistence and degradability		
Persistence and degradability         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Copper Sulfate (7758-98-7)         Biochemical oxygen demand (CDD)         Not applicable           Chemical oxygen demand (CDD)         Not applicable         Demote oxygen demand (CDD)           BOD (% of ThOD)         Not applicable         Biodegradability in water: no data available. Biodegradability in soil: no data available.           Persistence and degradability         Biodegradability: not applicable in to the soil.           Manganese Sulfate (7785-87-7)         Persistence and degradability: Not applicable in organic)           ThOD         Not applicable in organic)           Zinc sulfate (7735-02-0)         Victorgadability: not applicable. No (test)data on mobility of the substance available. Adsorbs into the soil.           Biochemical oxygen demand (CDD)         Not applicable           Diodegradability: not applicable.         Biodegradability: not applicable.           Biochemical oxygen demand (CDD)         Not applicable	ThOD	0.27 g O <sup>2</sup> /g substance	
Persistence and degradability         Biodegradability in water: no data available. No (test)data on mobility of the components available.           Copper Sulfate (7758-98-7)         Biochemical oxygen demand (CDD)         Not applicable           Chemical oxygen demand (CDD)         Not applicable         Demote oxygen demand (CDD)           BOD (% of ThOD)         Not applicable         Biodegradability in water: no data available. Biodegradability in soil: no data available.           Persistence and degradability         Biodegradability: not applicable in to the soil.           Manganese Sulfate (7785-87-7)         Persistence and degradability: Not applicable in organic)           ThOD         Not applicable in organic)           Zinc sulfate (7735-02-0)         Victorgadability: not applicable. No (test)data on mobility of the substance available. Adsorbs into the soil.           Biochemical oxygen demand (CDD)         Not applicable           Diodegradability: not applicable.         Biodegradability: not applicable.           Biochemical oxygen demand (CDD)         Not applicable	Muriate of Potash (7447-40-7)		
Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           BOD (% of ThOD)         Not applicable           BOD (% of ThOD)         Not applicable           Ferrous Sulfate (7782-63-0)         Persistence and degradability in water: no data available. Biodegradability in soil: no data available. Adsorbs into the soil.           Marganese Sulfate (7782-67-7)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. ThOD           Not         Applicable (inorganic)           Zinc sulfate (773-62-0)         Persistence and degradability: not applicable.           Persistence and degradability         Biodegradability: not applicable.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           Chemical oxygen demand (COD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           Biodegradabi	Persistence and degradability		
Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           BOD (% of ThOD)         Not applicable           BOD (% of ThOD)         Not applicable           Ferrous Sulfate (7782-63-0)         Persistence and degradability in water: no data available. Biodegradability in soil: no data available. Adsorbs into the soil.           Marganese Sulfate (7782-67-7)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. ThOD           Not         Applicable (inorganic)           Zinc sulfate (773-62-0)         Persistence and degradability: not applicable.           Persistence and degradability         Biodegradability: not applicable.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           Chemical oxygen demand (COD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           Biodegradabi	Copper Sulfate (7758-98-7)		
Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           BOD (% of ThOD)         Not applicable           BOD (% of ThOD)         Not applicable           Persistence and degradability         Biodegradability in water: no data available. Biodegradability is oil: no data available.           Marganese Sulfate (7782-63-7)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. Not applicable (inorganic)           Zinc sulfate (7733-02-0)         Not applicable (inorganic)           Persistence and degradability         Biodegradability: not applicable.           Biochemical oxygen demand (BOD)         Not applicable           Chomical oxygen demand (COD)         Not applicable           Sodium Borate (1330-43-4)         Persistence and degradability: not applicable           Biodegradability in volt applicable         Biodegradability: not applicable.           Sodium Borate (1330-43-4)         Persistence and degradability: not applicable.           Persistence and degradability         Biodegradability: not applicable.           Sodium Borate (1330-43-4)         Persistence and degradability: not applicable.           Persistence and degradability         Not applicable           Bolodegradability: not applicable.         Photopylicable<		Not applicable	
ThOD         Not applicable           BOD (% of ThOD)         Not applicable           Persistence and degradability         Bidegradability in water: no data available. Biodegradability in soil: no data available. Adsorbs into the soil.           Manganese Sulfate (7782-63-0)         Adsorbs into the soil.           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. Not applicable (inorganic)           ThOD         Not applicable (inorganic)           Persistence and degradability         Biodegradability: not applicable.           Biochemical oxygen demand (COD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           Boot of ThOD         Not applicable           Boot of thOD)         Not applicable           Boot of thOD         Not applicable			
BOD (% of ThOD)         Not applicable           Ferrous Sulfate (778-58-7)         Forgendability in water: no data available. Biodegradability in soil: no data available. Adsorbs into the soil.           Manganese Sulfate (7785-87-7)         Forgendability: not applicable. No (test)data on mobility of the substance available. ThOD           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. ThOD           Not applicable (norganic)         Vita applicable (norganic)           Zins culfate (773-02-0)         Persistence and degradability: not applicable (norganic)           Biochemical oxygen demand (BOD)         Not applicable           Biochemical oxygen demand (COD)         Not applicable           Biodegradability: not applicable         Biodegradability: not applicable           Biochemical oxygen demand (BOD)         Not applicable           Boot (1010)         Not applicable           Bochore upplicable         Not applicable			
Ferrous Sulfate (7782-63-0)           Persistence and degradability         Biodegradability in water: no data available. Biodegradability is nol: no data available. Adsorbs into the soil.           Manganese Sulfate (7785-67-7)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available. ThOD           Not applicable (inorganic)         Zine sulfate (773-02-0)           Persistence and degradability         Biodegradability: not applicable. Not applicable           Bochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           BOD (% of ThOD)         Not applicable           BOD (% of ThOD)         Not applicable           BOD (% of ThOD)         Not applicable           Bochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Sodium Molybdat (10102-40-6)         Persistence and degradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.           Bochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable			
Persistence and degradability         Biodegradability in water: no data available. Biodegradability in soit: no data available. Adsorbs into the soit.           Manganese Suifate (7785-87-7)         Eventsite in the soit.           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available.           ThOD         Not applicable (incrganic)           Zinc suifate (773-02-0)         Eventsite (773-02-0)           Persistence and degradability         Biodegradability: not applicable.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           BOD (% of ThOD)         Not applicable           Bootemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           DhOD         Not applicable           BOD (% of ThOD)         Not applicable           Presistence and degradability         Biodegradability: not applicable. Biodegradability in soit: not applicable.           Chemical oxygen demand (BOD)         Not applicable           Presistence and degradability in a applicable         Not applicable			
Adsorbs into the soil.           Mangenese Sulfate (7785-87-7)           Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available.           ThOD         Not applicable (inorganic)           Zinc sulfate (7735-02-0)         Evidence and degradability           Persistence and degradability         Biodegradability: not applicable.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Sodium Borate (1330-43-4)         Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           Sodium Molybdate (10102-40-6)         Not applicable           Persistence and degradability         Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.           Biochemical oxygen demand (COD)         Not applicable           Sodium Molybdate (10102-40-6)         Not applicable           Persistence and degradability         Not applicable           Biodecornulatity         Not applicable			
Persistence and degradability         Biodegradability: not applicable. No (test)data on mobility of the substance available.           ThOD         Not applicable (Inorganic)           Zinc suifate (773-02-0)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           BOD (% of ThOD)         Not applicable           Solium Borate (130-43-4)         Persistence and degradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           Sodium Molybdate (10102-40-6)         Not applicable           Persistence and degradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.           Biodegradability: not applicable         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Persistence and degradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.           Biodegradability: no	Persistence and degradability		
ThOD         Not applicable (inorganic)           Zinc sulfate (773-02-0)         Persistence and degradability         Biodegradability: not applicable.           Biochemical oxygen demand (BOD)         Not applicable         Chemical oxygen demand (COD)           ThOD         Not applicable         Sodium Bortae (1330-43-4)           Persistence and degradability         Biodegradability: not applicable.         Biodegradability: not applicable           Sodium Borate (1330-43-4)         Persistence and degradability         Biodegradability: not applicable.           Persistence and degradability         Biodegradability: not applicable.         Biodegradability: not applicable.           Chemical oxygen demand (COD)         Not applicable         Not applicable           Chemical oxygen demand (COD)         Not applicable         Not applicable           Chemical oxygen demand (COD)         Not applicable         Not applicable           BOD (% of ThOD)         Not applicable         Not applicable           BOD (% of ThOD)         Not applicable         Not applicable           Chemical oxygen demand (BOD)         Not applicable         Not applicable           Chemical oxygen demand (COD)         Not applicable         Not applicable           Chemical oxygen demand (COD)         Not applicable         Not applicable           ThOD	Manganese Sulfate (7785-87-7)		
Zinc sulfate (7733-02-0)         Persistence and degradability       Biodegradability: not applicable.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Borate (1330-43-4)       Biodegradability: not applicable.         Persistence and degradability       Biodegradability: not applicable.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (BOD)       Not applicable         BOD (% of ThOD)       Not applicable         BOD (% of ThOD)       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Molybdate (10102-40-6)       Not applicable         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Bochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Bochemical oxygen demand (BOD)       Not applicable         ThOD       Not applicable         Botacumulative potential       Not expplicable         Botacumulat	Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.	
Persistence and degradability     Biodegradability: not applicable.       Biochemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       BOD (% of ThOD)     Not applicable       Sodium Borate (1330-43-4)     Biodegradability: not applicable.       Persistence and degradability     Biodegradability: not applicable.       Biochemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (BOD)     Not applicable       BOD (% of ThOD)     Not applicable       Sodium Molybdate (10102-40-6)     Wot applicable       Persistence and degradability     Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.       Biochemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       Biochemical oxygen demand (COD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       ThOD     Not applicable       Biodecurulative potential     Not applicable       Bi	ThOD	Not applicable (inorganic)	
Persistence and degradability     Biodegradability: not applicable.       Biochemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       BOD (% of ThOD)     Not applicable       Sodium Borate (1330-43-4)     Biodegradability: not applicable.       Persistence and degradability     Biodegradability: not applicable.       Biochemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (BOD)     Not applicable       BOD (% of ThOD)     Not applicable       Sodium Molybdate (10102-40-6)     Wot applicable       Persistence and degradability     Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.       Biochemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       Biochemical oxygen demand (COD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       ThOD     Not applicable       Biodecurulative potential     Not applicable       Bi	Zinc sulfate (7733-02-0)		
Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Borate (1330-43-4)       Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         BOD (% of ThOD)       Not applicable         BOD (% of ThOD)       Not applicable         BOD (% of ThOD)       Not applicable         Boot (% of ThOD)       Not applicable         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         Biochemical oxygen demand (COD)       Not applicable         Biochemical oxygen demand (COD)       Not applicable         Chemical oxygen demand (COD)       Not appl		Biodogradability: not applicable	
Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Borate (1330-43-4)       Persistence and degradability         Biodegradability       Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         BOD (% of ThOD)       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Molybdate (10102-40-6)       Persistence and degradability         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         ThOD       Not applicable         Chemical oxygen demand (COD)       Not applicable         Bocacumulative potential       Not estabilished.         <			
ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Borate (1330-43-4)       Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Molybdate (10102-40-6)       Persistence and degradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (BOD)       Not applicable         ThOD       Not applicable         Boaccumulative potential       Not established.         Urea (57-13-6)       Intoo (Chlorella sp.)         Log Pow       -2.59 -			
BOD (% of ThOD)         Not applicable           Sodium Borate (1330-43-4)         Eiodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           BOD (% of ThOD)         Not applicable           BOD (% of ThOD)         Not applicable           BOD (% of ThOD)         Not applicable           Sodium Molybdate (10102-40-6)         Persistence and degradability           Persistence and degradability         Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Bioaccumulative potential         Not applicable           Bioaccumulative potential         Not applicable           Bioaccumulative potential         Not established.           Urea (57-13-6)         EGF fish 1 <tr< td=""><td></td><td></td></tr<>			
Sodium Borate (1330-43-4)           Persistence and degradability         Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           BOD (% of ThOD)         Not applicable           BOD (% of ThOD)         Not applicable           Sodium Molybdate (10102-40-6)         Not applicable           Persistence and degradability         Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.           Biochemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           Chemical oxygen demand (BOD)         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           Chemical oxygen demand (COD)         Not applicable           ThOD         Not applicable           Bioaccumulative potential         Not applicable           Bonice Duraturf Premium Lawn Food 20-0-10         Bioaccumulative potential           Bioaccumulative potential         Not established.           Urea (57-13-6)         EGF fish 1         1 (72 h; Brachydanio r			
Persistence and degradability       Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         BOD (% of ThOD)       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Molybdate (10102-40-6)       Not applicable         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (COD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (COD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         Bioaccumulative potential       Not applicable         Bonide Duraturf Premium Lawn Food 20-0-10       Not applicable         Bioaccumulative potential       Not established.         Urea (57-13-6)       I (72 h; Brachydanio rerio; Fresh water)         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (ChoreIla sp.) </td <td></td> <td></td>			
Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Molybdate (10102-40-6)       Eiodegradability: not applicable.         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         Bonde Duraturf Premium Lawn Food 20-010       Bioaccumulative potential         Bioaccumulative potential       Not established.         Urea (57-13-6)       Intro (Chlorella sp.)         BCF fish 1       1 (72 h; Brachydanio reno; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.59 - 1.59         Bioaccumulative pote			
Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Sodium Molybdate (10102-40-6)       Not applicable         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         Sodium Mattive potential       Not applicable         Bonide Duraturf Premium Lawn Food 20-0-01       Inter stablished.         Boaccumulative potential       Not established.         Boaccumulative potential       Not established.         Urea (57-13-6)       Intro (Chiorella sp.)         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chiorella sp.)         Log Pow       -2.591.59         Bioaccumulative potential       Bioaccumulation: not applicable.         Polymer Coated-Sulfur Urea (57-13-6)       EGF fish 1         BCF fish 1       1 (BCF;	Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.	
ThODNot applicableBOD (% of ThOD)Not applicableSodium Molybdate (10102-40-6)Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.Biochemical oxygen demand (BOD)Not applicableChemical oxygen demand (COD)Not applicableChemical oxygen demand (COD)Not applicableThODNot applicableThODNot applicableBioaccumulative potentialNot established.Bonide Duraturf Premium Lawn Food 20-0-10Not established.Urea (57-13-6)I (72 h; Brachydanio rerio; Fresh water)BCF fish 11 (72 h; Brachydanio rerio; Fresh water)BCF other aquatic organisms 111700 (Chlorella sp.)Log Pow-2.59 - 1.59Bioaccumulative potentialBioaccumulation: not applicable.Polymer Coated-Sulfur Urea (57-13-6)I (BCF; 72 h; Brachydanio rerio)BCF fish 11 (BCF; 72 h; Brachydanio rerio)BCF other aquatic organisms 11 (1700 (BCF)Log Pow-2.59 - 1.59BCF other aquatic organisms 11 (3700 (BCF)Log Pow-2.59 - 1.59	Biochemical oxygen demand (BOD)	Not applicable	
BOD (% of ThOD)       Not applicable         Sodium Molybdate (10102-40-6)       Eiodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         Bioaccumulative potential       Not applicable         Bioaccumulative potential       Not established.         Urea (57-13-6)       I (72 h; Brachydanio rerio; Fresh water)         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         Bioaccumulative potential       Bioaccumulation: not applicable.         Polymer Coated-Sulfur Urea (57-13-6)       ECF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)       ECF fish 1         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)       ECF fish 1         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)       ECF fish 1         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)       ECF fish 1         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)       ECF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)       ECF fish 1		Not applicable	
Sodium Molybdate (10102-40-6)         Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         12.3.       Bioaccumulative potential         Bonide Duraturf Premium Lawn Food 20-0-10         Bioaccumulative potential       Not established.         Urea (57-13-6)         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.591.59         Bioaccumulative potential       Bioaccumulation: not applicable.         Polymer Coated-Sulfur Urea (57-13-6)       BCF fish 1         BCF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       117000 (BCF)         Log Pow       -2.591.59			
Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable <b>12.3.</b> Bioaccumulative potential         Bonide Duraturf Premium Lawn Food 20-0-10       Not established.         Bioaccumulative potential       Not established.         Urea (57-13-6)       E         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.59 - 1.59         Bioaccumulative potential       Bioaccumulation: not applicable.         Polymer Coated-Sulfur Urea (57-13-6)       BCF fish 1         BCF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio) <td>BOD (% of ThOD)</td> <td>Not applicable</td>	BOD (% of ThOD)	Not applicable	
Persistence and degradability       Biodegradability: not applicable. Photolysis in water. No (test)data on mobility of the substance available.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable <b>12.3.</b> Bioaccumulative potential         Bonide Duraturf Premium Lawn Food 20-0-10       Not established.         Bioaccumulative potential       Not established.         Urea (57-13-6)       E         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.59 - 1.59         Bioaccumulative potential       Bioaccumulation: not applicable.         Polymer Coated-Sulfur Urea (57-13-6)       BCF fish 1         BCF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio) <td>Sodium Molybdate (10102-40-6)</td> <td></td>	Sodium Molybdate (10102-40-6)		
Biochemical oxygen demand (BOD)Not applicableChemical oxygen demand (COD)Not applicableThODNot applicable12.3. Bioaccumulative potentialBonide Duraturf Premium Lawn Food 20-0-10Bioaccumulative potentialNot established.Urea (57-13-6)BCF fish 11 (72 h; Brachydanio rerio; Fresh water)BCF other aquatic organisms 111700 (Chlorella sp.)Log Pow-2.59 - 1.59Bioaccumulative potentialBioaccumulation: not applicable.Polymer Coated-Sulfur Urea (57-13-6)BCF fish 11 (BCF; 72 h; Brachydanio rerio)BCF other aquatic organisms 11 117000 (BCF)Log Pow-2.591.59			
Chemical oxygen demand (COD)Not applicableThODNot applicable12.3. Bioaccumulative potentialBonide Duraturf Premium Lawn Food 20-010Bioaccumulative potentialNot established.Urea (57-13-6)BCF fish 11 (72 h; Brachydanio rerio; Fresh water)BCF fish 11 1700 (Chlorella sp.)Log Pow-2.591.59Bioaccumulative potentialBioaccumulation: not applicable.Polymer Coated-Sulfur Urea (57-13-6)BCF fish 11 (BCF; 72 h; Brachydanio rerio)BCF other aquatic organisms 11 17000 (BCF)Log Pow-2.591.59	Biochemical oxygen demand (BOD)		
ThOD       Not applicable         12.3.       Bioaccumulative potential         Bonide Duraturf Premium Lawn Food 20-0-10         Bioaccumulative potential       Not established.         Urea (57-13-6)         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.591.59         Bioaccumulative potential       Bioaccumulation: not applicable.         Polymer Coated-Sulfur Urea (57-13-6)       BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 17000 (BCF)         Log Pow       -2.591.59			
12.3. Bioaccumulative potential         Bonide Duraturf Premium Lawn Food 20-0-10         Bioaccumulative potential       Not established.         Urea (57-13-6)         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.591.59         Bioaccumulative potential       Bioaccumulation: not applicable.         Polymer Coated-Sulfur Urea (57-13-6)       BCF fish 1         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       1 (BCF)         Log Pow       -2.591.59			
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Bioaccumulative potential     Bioaccumulation: not applicable.       Polymer Coated-Sulfur Urea (57-13-6)     I (BCF; 72 h; Brachydanio rerio)       BCF fish 1     1 (BCF; 72 h; Brachydanio rerio)       BCF other aquatic organisms 1     117000 (BCF)       Log Pow     -2.59 - 1.59	BCF other aquatic organisms 1	11700 (Chlorella sp.)	
Polymer Coated-Sulfur Urea (57-13-6)         BCF fish 1       1 (BCF; 72 h; Brachydanio rerio)         BCF other aquatic organisms 1       117000 (BCF)         Log Pow       -2.59 - 1.59	Log Pow	-2.591.59	
BCF fish 1         1 (BCF; 72 h; Brachydanio rerio)           BCF other aquatic organisms 1         117000 (BCF)           Log Pow         -2.59 - 1.59	Bioaccumulative potential	Bioaccumulation: not applicable.	
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Log Pow -2.59 - 1.59	BCF other aquatic organisms 1	117000 (BCF)	
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Revision date: 02/17/2016 EN (English US) 6/8	Revision date: 02/17/2016	EN (English US) 6/8	

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Muriate of Potash (7447-40-7)	
Bioaccumulative potential	No bioaccumulation data available.
Copper Sulfate (7758-98-7)	
Bioaccumulative potential	Bioaccumable.
Ferrous Sulfate (7782-63-0)	
Bioaccumulative potential	Not bioaccumulative.
·	
Manganese Sulfate (7785-87-7) Bioaccumulative potential	No bioaccumulation data available.
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Zinc sulfate (7733-02-0)	EQ. 040 (Curvinus corrier Test duration: 0 unable)
BCF fish 1 Bioaccumulative potential	59 - 242 (Cyprinus carpio; Test duration: 8 weeks) Bioaccumable.
·	
Sodium Borate (1330-43-4)	Net biogeoursulative
Bioaccumulative potential	Not bioaccumulative.
Sodium Molybdate (10102-40-6)	
BCF fish 1 Bioaccumulative potential	<ul> <li>4.9 (BCF; 28 days; Oncorhynchus tshawytscha; Fresh water)</li> <li>Low potential for bioaccumulation (BCF &lt; 500).</li> </ul>
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12.4. Mobility in soil	
Copper Sulfate (7758-98-7)	
Ecology - soil	Toxic to flora.
Sodium Borate (1330-43-4)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
2.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal considera	ations
3.1. Waste treatment methods	
Naste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	tion
n accordance with DOT	
No dangerous good in sense of transport re	egulations
Additional information	
Other information	: No supplementary information available.
SECTION 15: Regulatory inform	ation
5.1. US Federal regulations	
Bonide Duraturf Premium Lawn Food 2	20-0-10
Not listed on the United States TSCA (To	xic Substances Control Act) inventory
E 2 International regulations	
<b>15.2. International regulations</b> No additional information available	
15.3. US State regulations	
No additional information available	
SECTION 16: Other information	
	· None
Other information	: None.
Full text of H-phrases: see section 16:	
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
evision date: 02/17/2016	EN (English US) 7/8

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Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H301	Toxic if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

SDS US (GHS HazCom 2012) - Pesticides

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.