



## Safety Data Sheet

### Section 1: Identification

#### Product identifier

- Product Name**
- **Eminate 20-20-20**
  - FFN: 00009

#### Relevant identified uses of the substance or mixture and uses advised against

- Recommended use**
- Fertilizer

#### Details of the supplier of the safety data sheet

- Manufacturer**
- Verdesian Life Sciences, U.S., LLC  
1001 Winstead Drive, Suite 480  
Cary, NC 27513  
United States

**Telephone (General)** • 1-800-868-6446

#### Emergency telephone number

- Manufacturer**
- 1-800-535-5053 - INFOTRAC

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

- OSHA HCS 2012**
- Skin Irritation 2
  - Eye Irritation 2
  - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation

#### Label elements

**OSHA HCS 2012**

#### WARNING



- Hazard statements**
- Causes skin irritation
  - Causes serious eye irritation
  - May cause respiratory irritation

## Precautionary statements

### Prevention

- Avoid breathing dust.
- Wash thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves and eye/face protection , .

### Response

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- If on skin: Wash with plenty of water .
- Take off contaminated clothing and wash before reuse.
- Specific treatment, see supplemental first aid information.
- If skin irritation occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

### Storage/Disposal

- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Other hazards

### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

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## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Potassium nitrate	CAS:7757-79-1	40.232% TO 42.8%	Ingestion/Oral-Rat LD50 • 3540 mg/kg	OSHA HCS 2012: Ox. Sol. 3; Acute Tox. 4 (orl); STOT SE 3: Resp. Irrit.	NDA
Phosphoric acid, ammonium salt (1:1)	CAS:7722-76-1	31.8%	NDA	OSHA HCS 2012: Not Classified	NDA
Urea	CAS:57-13-6	20.352% TO 20.776%	Ingestion/Oral-Rat LD50 • 8471 mg/kg	OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2	NDA
Citric acid	CAS:77-92-9	2%	Ingestion/Oral-Rat LD50 • 11700 mg/kg	OSHA HCS 2012: Comb. Dust; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3: Resp. Irrit.	NDA
Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	CAS:15708-41-5	0.76%	NDA	OSHA HCS 2012: Eye Irrit. 2	NDA
Urea, reaction products with formaldehyde	CAS:68611-64-3	< 0.636%	NDA	OSHA HCS 2012: Not Classified	NDA
Manganate(2-), ((N,N'-1,2-ethanediy)bis(N-	CAS:15375-84-5	0.39%	NDA	OSHA HCS 2012: Not Classified	NDA

(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-					
Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	CAS:14025-15-1	0.36%	NDA	OSHA HCS 2012: Eye Irrit. 2	NDA
Carbonic acid, zinc salt (1:1)	CAS:3486-35-9	0.36%	NDA	OSHA HCS 2012: Eye Irrit. 2	NDA
Calcium silicate	CAS:1344-95-2	0.23%	NDA	OSHA HCS 2012: Not Classified	NDA
Biuret	CAS:108-19-0	0.212%	NDA	OSHA HCS 2012: Not Classified	NDA
Boron sodium oxide, tetrahydrate	CAS:12280-03-4	0.098% TO 0.1%	NDA	OSHA HCS 2012: Not Classified	NDA
Molybdenum	CAS:7439-98-7	0% TO 0.001%	NDA	OSHA HCS 2012: Exposure limits	NDA

## Section 4: First-Aid Measures

### Description of first aid measures

- Inhalation** • Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
- Skin** • In case of contact with substance, immediately flush skin with running water for at least 20 minutes. If irritation develops and persists, get medical attention.
- Eye** • In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion** • If swallowed, rinse mouth with water (only if the person is conscious) If large quantities are swallowed, call a physician immediately.

### Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed

- Notes to Physician** • All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5: Fire-Fighting Measures

### Extinguishing media

- Suitable Extinguishing Media** • In case of fire use media as appropriate for surrounding fire.

- Unsuitable Extinguishing Media** • No data available.

### Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** • When involved in a fire and exposed to extremely high temperatures, the components of this product will decompose to produce irritating vapors and toxic gases.

- Hazardous Combustion Products** • Oxides of nitrogen and other toxic gases may be formed in a fire situation, carbon monoxide and other asphyxiates may form as well.

### Advice for firefighters

- Move containers from fire area if you can do it without risk. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations

ONLY; it is not effective in spill situations where direct contact with the substance is possible.

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact.

**Emergency Procedures** • Keep unauthorized personnel away. Stay upwind.

### Environmental precautions

- Avoid run off to waterways and sewers.

### Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Stop leak if you can do it without risk.  
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.  
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

## Section 7 - Handling and Storage

### Precautions for safe handling

**Handling** • Use only in well ventilated areas. Use good safety and industrial hygiene practices. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing vapors or mists generated by this product. Avoid contact with skin, eyes, and clothing. Do not eat, drink, smoke, or apply cosmetics while handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### Conditions for safe storage, including any incompatibilities

**Storage** • Keep container closed when not in use. All containers of this product must be properly labeled. Store containers in a cool, dry location, away from direct sunlight, incompatible materials, sources of intense heat, or where freezing is possible.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Molybdenum (7439-98-7)	TWAs	10 mg/m <sup>3</sup> TWA (inhalable fraction); 3 mg/m <sup>3</sup> TWA (respirable fraction)	Not established	Not established
Calcium silicate (1344-95-2)	TWAs	10 mg/m <sup>3</sup> TWA (synthetic nonfibrous, particulate matter containing no asbestos and <1% crystalline silica)	10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)

### Exposure controls

**Engineering Measures/Controls** • Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal Protective Equipment

**Respiratory** • In case of insufficient ventilation, wear suitable respiratory equipment.

**Eye/Face**

- Wear safety glasses.

**Skin/Body**

- No protective clothing expected to be needed.

**Environmental**

- Follow best practice for site management and disposal of waste.

**Exposure Controls****Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

**Information on Physical and Chemical Properties**

<b>Material Description</b>			
Physical Form	Solid	Appearance/Description	Green-blue crystals with fertilizer-like odor.
Color	Green - blue.	Odor	Fertilizer-like
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	No data available	Water Solubility	Soluble 100 %
Viscosity	No data available		
<b>Volatility</b>			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
<b>Flammability</b>			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

**Reactivity**

- No dangerous reaction known under conditions of normal use.

**Chemical stability**

- Stable

**Possibility of hazardous reactions**

- Hazardous polymerization will not occur.

**Conditions to avoid**

- Exposure to extreme temperatures and incompatible materials.

**Incompatible materials**

- Strong Acids and Bases.

**Hazardous decomposition products**

- Oxides of nitrogen, and other toxic fumes may form in a fire situation.

## Section 11 - Toxicological Information

### Information on toxicological effects

Components		
Potassium nitrate (40.232% TO 42.8%)	7757-79-1	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 3540 mg/kg; <i>Lungs, Thorax, or Respiration:Other changes; Liver:Other changes; Kidney, Ureter, and Bladder:Other changes;</i> Ingestion/Oral-Rat TDLo • 10 mg/kg; <i>Blood:Metheinglobincinia-Carboxyhemoglobin; Nutritional and Gross Metabolic:Gross Metabolite Changes:Weight loss or decreased weight gain;</i> <b>Multi-dose Toxicity:</b> Ingestion/Oral-Rat TDLo • 2250 mg/kg 150 Day(s)-Intermittent; <i>Endocrine:Thyroid weight (goiter); Endocrine:Evidence of thyroid hypofunction; Nutritional and Gross Metabolic:Gross Metabolite Changes:Weight loss or decreased weight gain;</i> <b>Reproductive:</b> Ingestion/Oral-Rabbit TDLo • 6505 mg/kg (23-27D preg); <i>Reproductive Effects:Effects on Fertility:Abortion</i>
Urea (20.352% TO 20.776%)	57-13-6	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 8471 mg/kg; <b>Irritation:</b> Skin-Human • 20 % 24 Hour(s) • Moderate irritation; <b>Tumorigen / Carcinogen:</b> Ingestion/Oral-Rat TDLo • 821 g/kg 1 Year(s)-Continuous; <i>Tumorigenic:Neoplastic by RTECS criteria; Blood:Tumors; Blood:Lymphoma, including Hodgkin's disease</i>
Citric acid (2%)	77-92-9	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 3 g/kg; Inhalation-Rat TCLo • 180 mg/m <sup>3</sup> ; <i>Lungs, Thorax, or Respiration:Other changes; Liver:Liver function tests impaired;</i> <i>Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:Dehydrogenases;</i> <b>Irritation:</b> Eye-Rabbit • 750 µg 24 Hour(s) • Severe irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation
Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex (0.76%)	15708-41-5	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >5000 mg/kg; Inhalation-Rat LC50 • >2.05 g/m <sup>3</sup> 4 Hour(s); Skin-Rat LD50 • >5000 mg/kg
Carbonic acid, zinc salt (1:1) (0.36%)	3486-35-9	<b>Multi-dose Toxicity:</b> Ingestion/Oral-Rat TDLo • 131.88 mg/kg 3 Week(s)-Intermittent; <i>Behavioral:Food intake (animal); Liver:Other changes; Musculoskeletal:Other changes;</i> <b>Reproductive:</b> Ingestion/Oral-Mouse TDLo • 2800 mg/kg (14D post); <i>Reproductive Effects:Specific Developmental Abnormalities:Skin and skin appendages</i>

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012•No data available
Aspiration Hazard	OSHA HCS 2012•No data available
Carcinogenicity	OSHA HCS 2012•No data available
Germ Cell Mutagenicity	OSHA HCS 2012•No data available
Skin corrosion/Irritation	OSHA HCS 2012•Skin Irritation 2
Skin sensitization	OSHA HCS 2012•No data available
STOT-RE	OSHA HCS 2012•No data available
STOT-SE	OSHA HCS 2012•Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction	OSHA HCS 2012•No data available
Respiratory sensitization	OSHA HCS 2012•No data available
Serious eye damage/Irritation	OSHA HCS 2012•Eye Irritation 2

### Potential Health Effects

#### Inhalation

**Acute (Immediate)** • May cause respiratory irritation.

**Chronic (Delayed)** • No data available.

#### Skin

**Acute (Immediate)** • Causes skin irritation.

**Chronic (Delayed)** • No data available.

### Eye

**Acute (Immediate)** • Causes serious eye irritation.

**Chronic (Delayed)** • No data available.

### Ingestion

**Acute (Immediate)** • Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)** • No data available.

#### Key to abbreviations

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

## Section 12 - Ecological Information

### Toxicity

- Non-mandatory section - information about this substance not complied for this reason.

### Persistence and degradability

- Non-mandatory section - information about this substance not complied for this reason.

### Bioaccumulative potential

- Non-mandatory section - information about this substance not complied for this reason.

### Mobility in Soil

- Non-mandatory section - information about this substance not complied for this reason.

### Other adverse effects

- Non-mandatory section - information about this substance not complied for this reason.

## Section 13 - Disposal Considerations

### Waste treatment methods

**Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA

**Special precautions for user**

- None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

## Section 15 - Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### SARA Hazard Classifications

• None

Component	CAS	Inventory	
			TSCA
Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Yes	
Biuret	108-19-0	Yes	
Boron sodium oxide, tetrahydrate	12280-03-4	No	
Calcium silicate	1344-95-2	Yes	
Carbonic acid, zinc salt (1:1)	3486-35-9	Yes	
Citric acid	77-92-9	Yes	
Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Yes	
Manganate(2-), ((N,N'-1,2-ethanediybis(N-(carboxymethyl)glycinato))(4)-N,N',O,O',ON,ON')-,	15375-84-5	Yes	
Molybdenum	7439-98-7	Yes	
Phosphoric acid, ammonium salt (1:1)	7722-76-1	Yes	
Potassium nitrate	7757-79-1	Yes	
Urea	57-13-6	Yes	
Urea, reaction products with formaldehyde	68611-64-3	Yes	

### United States

#### Labor

##### U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediybis(N-(carboxymethyl)glycinato))(4)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed

##### U.S. - OSHA - Specifically Regulated Chemicals

•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed



•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediyibis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed

## Environment

### U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediyibis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed

### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	1000 lb final RQ; 454 kg final RQ
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediyibis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed

### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediyibis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed

### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed

•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediyibis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</b>		
•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediyibis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing</b>		
•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
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•Manganate(2-), ((N,N'-1,2-ethanediyibis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed

## United States - California

### Environment

#### U.S. - California - Proposition 65 - Carcinogens List

•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
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•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediyibis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed

#### U.S. - California - Proposition 65 - Developmental Toxicity

•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed

•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediybis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed
<b>U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)</b>		
•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediybis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed
<b>U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)</b>		
•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediybis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed
<b>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</b>		
•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed
•Manganate(2-), ((N,N'-1,2-ethanediybis(N-(carboxymethyl)glycinato))(4-)-N,N',O,O',ON,ON')-,	15375-84-5	Not Listed
<b>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</b>		
•Calcium silicate	1344-95-2	Not Listed
•Biuret	108-19-0	Not Listed
•Carbonic acid, zinc salt (1:1)	3486-35-9	Not Listed
•Cuprate(2-), ((ethylenedinitrilo)tetraacetato)-, disodium	14025-15-1	Not Listed
•Urea, reaction products with formaldehyde	68611-64-3	Not Listed
•Molybdenum	7439-98-7	Not Listed
•Citric acid	77-92-9	Not Listed
•Phosphoric acid, ammonium salt (1:1)	7722-76-1	Not Listed
•Potassium nitrate	7757-79-1	Not Listed
•Urea	57-13-6	Not Listed
•Acetic acid, (ethylenedinitrilo)tetra-, sodium salt, iron complex	15708-41-5	Not Listed
•Boron sodium oxide, tetrahydrate	12280-03-4	Not Listed

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## Section 16 - Other Information

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- Last Revision Date** • 10/April/2015
- Preparation Date** • 27/April/2016
- Disclaimer/Statement of Liability** • The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Key to abbreviations**

NDA = No data available

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