

TCS Growstar Dimension 0.19% + Fertilizer

Revision: 08/14/2020 Supersedes Revision: 05/20/2020

Page: 1

Printed: 08/14/2020

(0-0-7)

# 1. Product and Company Identification

**Product Code:** 901077

TCS Growstar Dimension 0.19% + Fertilizer (0-0-7) **Product Name:** 

**Company Name:** Turf Care Supply Corp. **Phone Number:** 1 (330)558-0910

50 Pearl Road

Suite 200

Brunswick, OH 44212

Web site address: www.turfcaresupply.com **Email address:** regaffairs@tcscusa.com

**PERS** 1 (800)633-8253 **Emergency Contact:** 

Information: Turf Care Supply Corp. 1 (330)558-0910

### 2. Hazards Identification

Acute Toxicity: Oral, Category 4 Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 1

Specific Target Organ Toxicity (single exposure), Category 1 Specific Target Organ Toxicity (repeated exposure), Category 1

Aquatic Toxicity (Acute), Category 3 Aquatic Toxicity (Chronic), Category 3







**GHS Signal Word:** 

Danger

**GHS Hazard Phrases:** Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage. Causes damage to organs

Causes damage to organs through prolonged or repeated exposure.

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

GHS Precautionary Phrases: Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear appropriate personal protective equipment.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse **GHS Response Phrases:** 

mouth.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention/advice if you feel unwell. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before re-use.

Store in a secure location. GHS Storage and Disposal

Phrases: Dispose of contents/container to an appropriate disposal facility.

**GHS** format



TCS Growstar Dimension 0.19% + Fertilizer

(0-0-7)

Printed: 08/14/2020 Revision: 08/14/2020

Page: 2

Supersedes Revision: 05/20/2020

Chronic: Prolonged or repeated skin contact may cause dermatitis. Prolonged or **Potential Health Effects** 

(Acute and Chronic): repeated exposure may cause permanent eye damage. Chronic exposure may cause

lung damage. Effects may be delayed.

May be harmful if inhaled. Low hazard for normal industrial handling. The toxicological Inhalation:

> properties of this substance have not been fully investigated. May cause systemic effects. Material may be irritating to mucous membranes and upper respiratory tract.

May cause skin irritation. Dust causes mechanical irritation. Low hazard for usual **Skin Contact:** 

industrial handling.

May cause eye irritation. Dust may cause mechanical irritation. Eye Contact:

May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting Ingestion:

and diarrhea. Low hazard for normal industrial handling. The toxicological properties of

this substance have not been fully investigated. May cause systemic effects.

### 3. Composition/Information on Ingredients

CAS#	Hazardous Components (Chemical Name)	Concentration
1317-65-3	Limestone	83.5 %
7447-40-7	Potassium chloride	11.2 %
14808-60-7	Quartz	2.78 %
97886-45-8	Dithiopyr	0.190 %

#### 4. First Aid Measures

**Emergency and First Aid** 

Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial

respiration. If breathing is difficult, give oxygen. Get medical aid.

In Case of Skin Contact: Get medical aid if irritation develops or persists. In case of contact, flush skin with plenty

of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops

and persists. Wash clothing before reuse. Wash off with soap and plenty of water.

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and In Case of Eye Contact:

lower eyelids. Get medical aid. Do NOT allow victim to rub eyes or keep eyes closed.

Get medical aid. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Call a In Case of Ingestion:

poison control center. If swallowed, do not induce vomiting unless directed to do so by

medical personnel. Never give anything by mouth to an unconscious person.

Signs and Symptoms Of

Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have

not been thoroughly investigated.

Note to Physician: Treat symptomatically and supportively.



TCS Growstar Dimension 0.19% + Fertilizer

(0-0-7)

Printed: 08/14/2020

Page: 3

Revision: 08/14/2020 Supersedes Revision: 05/20/2020

## 5. Fire Fighting Measures

Flash Pt: No data.

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

Suitable Extinguishing Media: For small fires, use dry chemical, carbon dioxide, or water spray. For large fires, use dry

chemical, carbon dioxide, alcohol-resistant foam, or water spray.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand,

> MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible. Decomposes at high temperatures, resulting in toxic and corrosive

products. Runoff from fire control or dilution water may cause pollution.

Flammable Properties and

Hazards:

**Products:** 

Most of the components of this product are non-combustible. However, a portion of them

may support combustion at elevated temperatures.

**Hazardous Combustion** Thermal decomposition may result in the production of ammonia, formaldehyde, biuret,

chlorine, cyanic acid, and cyanide, and oxides of carbon, nitrogen, phosphorus,

potassium, sulfur, and chlorine, and oxides of alkaline earth metals, and certain heavier metals used as nutrients in fertilizer products, such as copper, iron, manganese, and

zinc, and other toxic and irritating fumes and gases.

#### 6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Avoid runoff into storm sewers and ditches which lead to waterways. Do not let this product enter the environment except as directed on product label. Clean up spills immediately, observing precautions in the Protective Equipment section.

Personal precautions.

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure

adequate ventilation.

Environmental precautions.

Do not let product enter drains.

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers

for disposal.

PROCEDURES & PERSONAL PRECAUTIONS.

Exercise appropriate precautions to minimize direct contact with skin or eyes and

prevent inhalation of dust.

Methods for cleaning up.

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area

and wash spill site after material pickup is complete.

## 7. Handling and Storage

Precautions To Be Taken in Handling:

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly

after handling. Use only in a well-ventilated area. Keep container tightly closed. Wash clothing before reuse.

Provide appropriate exhaust ventilation at places where dust is formed.

**GHS** format



TCS Growstar Dimension 0.19% + Fertilizer

(0-0-7)

Printed: 08/14/2020

Page: 4

Revision: 08/14/2020 Supersedes Revision: 05/20/2020

Store in a cool, dry place. Keep container closed when not in use. Precautions To Be Taken in Storing:

8. Exposure Controls/Personal Protection				
CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1317-65-3	Limestone	PEL: 15 (dust); 5 (resp.) mg/m3	No data.	No data.
7447-40-7	Potassium chloride	No data.	No data.	No data.
14808-60-7	Quartz	PEL: 50 ug/m3	TLV: 0.05 mg/m3 (R)	No data.
97886-45-8	Dithiopyr	No data.	No data.	No data.

Respiratory Equipment

(Specify Type):

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by

OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard

EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Wash and dry hands.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Choose body protection

according to the amount and concentration of the dangerous substance at the work

place.

**Engineering Controls** 

(Ventilation etc.):

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Work/Hygienic/Maintenance

Practices:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling.

# 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ ] Liquid [X] Solid

Appearance and Odor: Multi-colored, granular solid.

Characteristic pesticide solvent odor.

pH: No data. ~ 133 C Melting Point: **Boiling Point:** No data. Flash Pt: No data. **Evaporation Rate:** No data.

No data available. Flammability (solid, gas):

LEL: No data. **Explosive Limits:** UEL: No data.

Vapor Pressure (vs. Air or

mm Hg):

No data.

Vapor Density (vs. Air = 1): No data.



TCS Growstar Dimension 0.19% + Fertilizer

Revision: 08/14/2020 (0-0-7)Supersedes Revision: 05/20/2020

Page: 5

Printed: 08/14/2020

Specific Gravity (Water = 1): No data.

~ 45 - 65 LB/CF Bulk density:

Solubility in Water: ~ 1,080 g/L at 20.0 C

Solubility Notes: The solubility value cited is for the urea component of this product, if present. See

section 3.

Octanol/Water Partition

No data.

Coefficient:

Information

**Autoignition Pt:** No data. **Decomposition Temperature:** ~ 135 C Viscosity: No data.

**Additional Physical** 

The melting point and decomposition temperatures cited are for the urea component of

this product, if present. See section 3.

Urea decomposes before boiling. (UNEP Publication, OECD SIDS UREA, CAS No:

57-13-6)

10. Stability and Reactivity

Unstable [ ] Stable [X] Stability:

Conditions To Avoid -

Incompatible materials, dust generation, heating to decomposition. High temperatures.

Instability:

Incompatibility - Materials To Strong oxidizing agents, bases, acids, aluminum.

Avoid:

Hazardous Decomposition or The decomposition of fertilizer products may result in the generation of some or all of the

Byproducts:

following: ammonia, formaldehyde, biuret, chlorine, cyanic acid, and cyanide, and oxides of carbon, nitrogen, phosphorus, potassium, sulfur, and chlorine, and oxides of alkaline earth metals, and certain heavier metals used as nutrients in fertilizer products, such as copper, iron, manganese, and zinc, and other irritating and toxic fumes and gases.

Possibility of Hazardous

Reactions:

Will occur [ ] Will not occur [X]

**Conditions To Avoid -**

**Hazardous Reactions:** 

No data available.

11. Toxicological Information

Epidemiology: No information found. Toxicological Information:

Teratogenicity: Teratogenic effects have occurred in experimental animals.

Neurotoxic effects have occurred in experimental animals.

Reproductive toxicity - no data available.

Inhalation: May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity/Other

Information:

This material may contain small amounts of respirable crystalline and amorphous silica. The International Agency for Cancer Research (IARC) has classified crystalline silica as a carcinogen to humans (Group 1), and amorphous silica as not classifiable as to its carcinogenicity to humans (Group 3). See "Silica, Some Silicates, Coal dust and para-Aramid Fibrils in IARC Monographs on the Evaluation of Carcinogenic Risks to Humans", (Vol. 68).

**GHS** format



TCS Growstar Dimension 0.19% + Fertilizer

(0-0-7)

Printed: 08/14/2020

Page: 6

Revision: 08/14/2020

Supersedes Revision: 05/20/2020

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Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
Limestone	n.a.	n.a.	n.a.	n.a.
Potassium chloride	n.a.	n.a.	n.a.	n.a.
Quartz	Known	1	A2	n.a.
Dithiopyr	n.a.	n.a.	n.a.	n.a.
	Hazardous Components (Chemical Name)  Limestone  Potassium chloride  Quartz	Limestone n.a.  Potassium chloride n.a.  Quartz Known	Hazardous Components (Chemical Name)NTPIARCLimestonen.a.n.a.Potassium chloriden.a.n.a.QuartzKnown1	Hazardous Components (Chemical Name)NTPIARCACGIHLimestonen.a.n.a.n.a.Potassium chloriden.a.n.a.n.a.QuartzKnown1A2

#### 12. Ecological Information

General Ecological Information:

Environmental: If released to the atmosphere, urea will degrade rapidly in the vapor-phase by reaction with photochemically produced hydroxyl radicals (half-life of 9.6 hr). If released to soil, urea is hydrolyzed to ammonium through soil urease activity (the basis of its use as a fertilizer). The rate of hydrolysis can be fast (24 hr); however, a number a variables (such as increasing the pellet size of the fertilizer) can decrease the degradation rate from days to weeks.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

Dithiopyr: Log (Kow) = 4.75 (Thurston County Health Dept. - 412 Lilly Road NE,

Olympia WAS 98506)

Mobility in Soil:

No data available.

## 13. Disposal Considerations

Waste Disposal Method:

If material cannot be completely used according to label directions, dispose of container and contents according to this section.

Contact a licensed professional waste disposal service to dispose of this material.

Do not empty into drains.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. RCRA U-Series: None listed.

Observe all federal, state, and local environmental regulations.

Packaging: Empty bag may be placed in trash.

# 14. Transport Information



TCS Growstar Dimension 0.19% + Fertilizer

(0-0-7)

S. 302 (EHS)

No

S. 304 RQ

No

Printed: 08/14/2020 Revision: 08/14/2020

Supersedes Revision: 05/20/2020

S. 313 (TRI)

No

Page: 7

LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not Regulated.

Limestone

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

**Hazardous Components (Chemical Name)** 

**DOT Hazard Class: UN/NA Number:** 

**Regulatory Information:** 

CAS#

1317-65-3

15. Regւ	ılatory	Informati	tion
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7447-40-7	Potassium chloride	No	No	No		
14808-60-7	Quartz	No	No	No		
97886-45-8	Dithiopyr	No	No	No		
This materia	This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:					
[ ] Yes [X] No	Explosive	[X] Yes [ ] No	Acute toxicity (any rou	ite of exposure)		
[ ] Yes [X] No	Flammable (gases, aerosols, liquid, or solid)	[X] Yes [ ] No	Skin Corrosion or Irrita	ation		
[ ] Yes [X] No	Oxidizer (liquid, solid or gas)	[X] Yes [ ] No	Serious eye damage o	or eye irritation		
[ ] Yes [X] No	Self-reactive	[ ] Yes [X] No	Respiratory or Skin Se	ensitization		
[ ] Yes [X] No	Pyrophoric (liquid or solid)	[ ] Yes [X] No	Germ cell mutagenicit	y		
[ ] Yes [X] No	Pyrophoric gas	[ ] Yes [X] No	Carcinogenicity			
[ ] Yes [X] No	Self-heating	[ ] Yes [X] No	Reproductive toxicity			
[ ] Yes [X] No	Organic peroxide	[X] Yes [ ] No	Specific target organ t	oxicity (single or repeated exposure)		
[ ] Yes [X] No	Corrosive to metal	[ ] Yes [X] No	Aspiration Hazard			
[ ] Yes [X] No	Gas under pressure (compressed gas)	[ ] Yes [X] No	Simple Asphyxiant			
[ ] Yes [X] No	In contact with water emits flammable gas	[X] Yes [ ] No	(Health) Hazard Not C	Otherwise Classified (HNOC)		
[ ] Yes [X] No	Combustible Dust					
[ ] Yes [X] No	(Physical) Hazard Not Otherwise Classified (HNOC)					
CAS#	Hazardous Components (Chemical Name)	Other US El	PA or State Lists			
1317-65-3	Limestone	CAA HAP,C	DC: No; CWA NPD	ES: No; TSCA: Yes -		
		Inventory; (	CA PROP.65: No; M	A Oil/HazMat: No; MI CMR,		
		Part 5: No;	NJ EHS: No; NY Pa	ırt 597: No; PA HSL: Yes - 1		
7447-40-7	Potassium chloride	CAA HAP,C	DC: No; CWA NPD	ES: No; TSCA: Yes -		
		Inventory; (	CA PROP.65: No; M	A Oil/HazMat: No; MI CMR,		
		Part 5: No;	NJ EHS: No; NY Pa	ırt 597: No; PA HSL: No		
14808-60-7	Quartz			ES: No; TSCA: Yes -		
	<del></del>	•	•	A Oil/HazMat: No; MI CMR,		
		•	•	ort 597: No; PA HSL: Yes - 1		
97886-45-8	Dithiopyr			ES: No; TSCA: No; CA		
37000-43-0	ышюруі	•	•	· · · · · · · · · · · · · · · · · · ·		
			•	No; MI CMR, Part 5: No; NJ		
		EHS: NO; N	IY Part 597: No; PA	HOL: NO		

KEEP OUT OF REACH OF CHILDREN. CAUTION.

PRECAUTIONARY STATEMENTS.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS. CAUSES EYE IRRITATION. HARMFUL IF INHALED.

This chemical is a pesticide product registered by the United States Environmental

Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels on non-pesticide

chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.



TCS Growstar Dimension 0.19% + Fertilizer

(0-0-7)

Printed: 08/14/2020

Revision: 08/14/2020 Supersedes Revision: 05/20/2020

Page: 8

Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

#### 16. Other Information

08/14/2020 **Revision Date:** 

**Hazard Rating System:** 

Flammability Instability NFPA: Special Hazard

Additional Information About No data available.

This Product:

**Company Policy or** 

Disclaimer:

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