

SAFETY DATA SHEET



SECTION 1: PRODUCT AND MANUFACTURER INFORMATION

PRODUCT NAME:	RECOMMENDED USE:	SUPPLIER:
Triden Bionutrients Carbon+ 8-0-4	Agricultural, forest and landscape systems	INNOVAHort, LLC, PO Box 682, Mt. Ulla, NC 28125-0682 USA
CHEMICAL FAMILY, SYNONYMS & TRADE NAMES:		TELEPHONE NUMBER:
Dry Fertilizer		Poison Control: (800) 222-1222

SECTION 2: HAZARD IDENTIFICATION

SIGNAL WORD:	HAZARDOUS STATEMENTS:	PRECAUTIONARY STATEMENTS:
<p>WARNING</p> <p>SYMBOL(S):</p>	<p>H315 – Causes skin irritation H319 – Causes serious eye irritation H320 – Causes eye irritation H335 – May cause respiratory irritation H350 – May cause cancer H373 – May cause damage to organs through prolonged or repeated exposure H402 – Harmful to aquatic life</p>	<p>PREVENTION P203 – Obtain, read and follow all safety instructions before use P261 – Do not breathe mist/vapors/spray P261 – Avoid breathing dust/fume/gas/mist/vapors/spray P264 – Wash thoroughly after handling P271 – Use only outdoors in a well-ventilated area P273 – Avoid release to the environment P280 – Wear protective gloves/protective clothing/eye protection/face protection/hearing protection</p> <p>STORAGE P403+P233 – Store in a well-ventilated place. Keep container tightly closed. P405 – Store locked up</p>
		<p>RESPONSE P302+P352 – IF ON SKIN: wash with plenty of soapy and water P304+P340 – IF INHALED: Wash with plenty of water P305+P351+P338 – IF IN EYES: rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing P312 – Call a POISON CENTER/doctor if you feel unwell P332+P313 – If skin irritation occurs: Get medical advice/attention P337+P313 – If eye irritation persists, get medical advice / attention P362 – Take off contaminated clothing and wash it before reuse</p> <p>DISPOSAL P501 – Dispose of contents/container in accordance with local, regional, national and international regulations.</p>

SECTION 3: MIXTURE COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	% BY WEIGHT	Mixed Blended Fertilizer
Limestone	1317-65-3	17.25%	Contains no other hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Crystalline Silica, quartz (impurity)	14808-60-7	1%	
Wollastonite	13983-17-0	4%	
Ammonium sulphate	7783-20-2	2%	
Methylene Urea	13547-17-6	8%	

SECTION 4: FIRST-AID MEASURES

INHALATION:	INGESTION:	SKIN CONTACT:	EYE CONTACT:
Remove to fresh air and keep at rest in a position comfortable for breathing. Inhalation of any liquid or mist may result in breathing difficulty. If necessary, use artificial respiration to support vital functions. Seek medical advice.	Swallowing a large amount may result in vomiting, diarrhea, cramps, and other gastrointestinal disturbances. Seek medical attention if a large amount is swallowed. Rinse mouth thoroughly with water. Dilute stomach contents with water. Do NOT induce vomiting. Ingestion of small quantities is unlikely to cause toxic effects.	If exposure occurs, rinse the affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use.	Rinse eyes thoroughly with water for 15 minutes. Remove contacts if present. Seek medical attention if irritation persists.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:	ADVICE FOR FIREFIGHTERS:	FLASH POINT (*F/Test Method):
<p>Suitable Extinguishing Media: Use foam, Carbon Dioxide (CO₂), dry chemical, or water fog. Material itself is non-flammable.</p> <p>Unsuitable Extinguishing Media: Water jet.</p>	<p>Firefighting Instructions: Keep personnel removed from and upwind of fire. When strongly heated, may yield fumes of ammonia and formaldehyde at elevated temperatures. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.</p> <p>Protection During Firefighting: Wear full firefighting turnout gear (full Bunker gear) and respiratory protection (SCBA).</p> <p>Other Information: Do not allow run-off from firefighting to enter drains or water courses.</p>	<p>Does not flash</p> <p>FLAMMABLE LIMITS (LFL & UFL): Product is not explosive. Stable at ambient temperature and under normal conditions of use.</p>

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP
<p>Keep unauthorized personnel away. Use personal protection recommended in Section 8. Ensure adequate ventilation.</p> <p>Non-Emergency Personnel: Keep unauthorized personnel away</p> <p>Emergency Responders: Keep unauthorized personnel away. Use personnel protection recommended in Section. 8.</p>	<p>Advice on how to contain a spill: Covering of drains. Take up mechanically.</p> <p>Advice on how to clean up a spill: Take up mechanically.</p> <p>Other information relating to spills and releases: Place in appropriate containers for disposal. Ventilate affected area.</p>
ENVIRONMENTAL PRECAUTIONS	REFERENCES TO OTHER SECTIONS
<p>Avoid runoff to waterways and sewers.</p> <p>Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).</p>	<p>Section 8: Exposure controls and personal protection. See Section 13 for additional waste treatment.</p>

SECTION 7: HANDLING AND STORAGE

HANDLING
Avoid inhalation of mists, vapors/spray, and contact with eyes, skin and clothing. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Emergency eye wash foundations and a safety shower should be available in the immediate vicinity of any potential exposure.
STORAGE
Store tightly closed in the original labeled container in a cool, dry, and well-ventilated place out of direct sunlight, away from incompatible materials (See Section 10), and food and drink. Keep separate from food and feed products and out of reach of children and animals. Corrosive to steel, aluminum and brass. Use with stainless steel or PVC fittings. Incompatible materials: Alkalis and caustic products. Strong acids. Copper and its alloys.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION	
EXPOSURE CONTROLS	PERSONAL PROTECTIVE EQUIPMENT:
<u>Appropriate engineering controls:</u> General ventilation <u>Environmental exposure controls:</u> Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.	<u>Respiratory:</u> In case of insufficient ventilation, wear suitable respiratory equipment. <u>Eye / Face:</u> Wear eye/face protection; chemical splash safety goggles/face shield. <u>Skin:</u> Wear protective gloves to minimize skin contact. Use body protection to prevent contact (e.g. lab coat, overalls).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES					
APPEARANCE	Brown granule	ODOR	No distinct odor	pH	5.82
MELTING/FREEZING POINT	Not available	BULK DENSITY	50.2 lbs/ft ³	VAPOR DENSITY	Not available
DUST EXPLOSION PROPERTIES	Not established	BOILING POINT	Not available	VAPOR PRESSURE	Not established
WATER SOLUBILITY	>=60%	FLASH POINT	N/A	FLAMMABILITY	Not available
Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.					

SECTION 10: STABILITY AND REACTIVITY	
STABILITY:	POSSIBILITY OF HAZARDOUS REACTIONS:
Stable at ambient temperature and under normal use and storage conditions.	Hazardous polymerization will not occur
INCOMPATIBILITY:	HAZARDOUS DECOMPOSITION PRODUCTS:
Avoid contact with alkalis and caustic products; strong acids; copper and its alloys; oxidizers.	Although the material itself is not reactive, it may produce Carbon monoxide (CO), Carbon dioxide (CO ₂), Sulphur oxides (SO _x).

SECTION 11: TOXICOLOGICAL INFORMATION			
ACUTE TOXICITY	SKIN CORROSION/IRRITATION	SERIOUS EYE DAMAGE/EYE IRRITATION	REPRODUCTIVE TOXICITY
Shall not be classified as acutely toxic	May cause skin irritation	May cause eye irritation	Shall not be classified as a reproductive toxicant
GERM CELL MUTAGENICITY	CARCINOGENICITY	RESPIRATORY OR SKIN SENSITISATION	ASPIRATION HAZARD
Shall not be classified as a germ cell mutagenetic	Shall not be classified as carcinogenic	Shall not be classified as a respiratory or skin sensitizer.	Shall not be classified as presenting an aspiration hazard.
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE		SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE	
Shall not be classified as a specific target organ toxicant		Shall not be classified as a specific target organ toxicant	

SECTION 12: ECOLOGICAL INFORMATION	
ECOTOXICOLOGY:	
The product is not classified as environmentally hazardous; however, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. This product is slightly toxic to aquatic environments.	

SECTION 13: DISPOSAL CONSIDERATIONS	
Do not empty into drains. Avoid release into the environment. Handle contaminated packages in the same way as the substance itself. This material is not regulated as a hazardous material by the U.S.E.P.A. Dispose of this material in accordance with appropriate Federal, State, and local regulations.	

SECTION 14: TRANSPORT INFORMATION	
This material is not regulated as a hazardous material by the U.S.D.O.T. Use normal transportation safety precautions.	

SECTION 15: REGULATORY INFORMATION							
UNITED STATES REGULATIONS							
Chemical Name	CAS No.	CA Prop 65	CA CPR	Massachusetts	Minnesota	New Jersey	Pennsylvania
Limestone	1317-65-3						
Crystalline Silica, quartz (impurity)	14808-60-7	Y		Y	Y	Y	Y

Limestone		Wollastonite	
CERCLA	Not Listed	SARA 302/304/313	Not Subject to Reporting Requirements
SARA 311/312 Hazardous	Not Listed	U.S. Toxic Substances Control Act (TSCA)	Listed
<u>Crystalline Silica, quartz (impurity)</u>			
CERCLA	Not Listed	SARA 311/312	
SARA 304	Listed	Acute	Yes
SARA 313	Listed	Chronic Health	Yes
		Fire	No
		Reactivity	No
SARA 311/312 HAZARDOUS CATEGORIZATION		CERCLA	
<u>Crystalline Silica, quartz (impurity)</u>		Clean Water Act	None
Acute Health Hazard	Yes		None
Chronic Health Hazard	Yes		
		Monoammonium phosphate	
CWA (Clean Water Act)	Not Listed	U.S. TSCA (Toxic Substances Control Act)	Listed
CAA (Clean Air Act)	Not Listed	Acute Health Hazard	Yes
		U.S. Texas – Effects Screening Levels – Long Term	Yes
		U.S. Texas – Effects Screening Levels – Short Term	Yes

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product contains ingredients which are on the California Proposition 65 lists: Silica, Crystalline, Quartz, Titanium Dioxide.

CANADIAN REGULATIONS

Canadian DSL (Domestic Substances List)

WHMIS Classification See Section 2 for details

CEPA

Wollastonite All components are either Listed, Exempt, or have been notified under CEPA

National Chemical Inventory Listing

Wollastonite AICS, IECSC, DSL, EINECS, KECI, TSCA

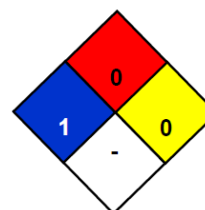
SECTION 16: OTHER INFORMATION

Wollastonite

HMIS RATING

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA RATING



Caution: HMIS and NFPA ratings are based on a 0-4 rating scale
 0 = Minimal Hazard, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

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SUPERCEDES: All previous versions.

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