



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Produced for: Gowan Company
P.O. Box 5569
Yuma, Arizona 85366-5569
(928) 783-8844

For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC^U:

Inside the U.S.: (800) 424-9300
Outside the U.S.: (703) 527-3887
(888) 478-0798

For MEDICAL Emergency:

Product: Tenet[®] WP

EPA Signal Word: Caution

EPA Registration No.: 80289-9

Active Ingredient: Trichoderma asperellum,
ICC 012 (2.0%)

CAS No.: Not Applicable

Active Ingredient: Trichoderma gamsii
ICC 012 (2.0%)

CAS No.: Not Applicable

2. Hazards Identification

Physical Properties

Appearance: Solid powder, Off-white

Odor: Slight odor

Medical Conditions Likely to be Aggravated by Exposure

Harmful if absorbed through skin or swallowed. Avoid contact with skin, eyes, or clothing.

Primary Routes of Exposure

Skin contact, eye contact, inhalation.

Hazardous Decomposition Products

None known

Unusual Fire, Explosion, and Reactivity Hazards

None

3. Composition/Information On Ingredients

INGREDIENT NAME	CAS No.	OSHA – PEL	ACGIH – TLV	NTP/IARC/OSHA CARCINOGEN
Trichoderma asperellum, ICC 012 (2.0%)	Not Applicable	None	None	No
Trichoderma gamsii, ICC 012 (2.0%)	Not Applicable	None	None	No

Only the identities of the active ingredient(s) and any *hazardous* inert ingredients are listed. Specific information on all of this product's ingredients can be obtained by the treating medical professional or spill emergency responder for the management of exposures, spills, or safety assessments.

4. First Aid Measures

IF SWALLOWED:	<ul style="list-style-type: none">• Call poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE: 1-888-478-0798.	

5. Fire Fighting Measures

Flash Point

Tenet WP is not flammable or explosive

Appropriate Extinguishing Media

In case of fire, use water, dry chemical, carbon dioxide (CO₂), or foam.

Special Fire Fighting Procedures

Firefighters and others that may be exposed to vapors, mists, dusts, or products of combustion should wear full protective clothing and self-contained breathing apparatus. Equipment should be thoroughly cleaned after use.

Unusual Fire or Explosion Hazards

None

6. Accidental Release Measures

In Case of Spills or Leaks

Keep unnecessary people away and isolate hazard area. Wear appropriate personal protective equipment described in Section 8: Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. After the product has been recovered, rinse the area and contaminated materials involved with detergent and water. Refer to Section 13 for disposal information and Section 15 for reportable quantity information.

7. Handling and Storage

Handling

Avoid contact with eyes, skin, or clothing. Wash hands thoroughly after handling or contact. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash contaminated clothing before re-use. Thoroughly clean equipment after use. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Storage

Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Store at temperatures below 75°F, under well-vented and dry storage conditions. Do not store under moist conditions. Do not allow product to freeze. Store the tightly resealed container in a dry place and not exposed directly to sun. Product life is approximately 15 months when stored as directed.

8. Exposure Controls/Personal Protection

Personal Protective Equipment:

Eye Protection: If there is significant potential for contact, wear goggles.

Skin Protection: Long-sleeved shirt and long pants. Chemical-resistant gloves, such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber. Shoes plus socks.

Respiratory Protection: Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting the NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization

9. Physical and Chemical Properties

Appearance: Solid powder, Off-white

Odor: Slight odor

pH: 4.38 @ 25°C 10 g/l

Density: 0.78 g/cm³; (tap density)

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.

10. Stability and Reactivity

Stability: Stable under normal conditions of handling and storage.

Hazardous decomposition products: None

Conditions to avoid: Avoid high temperatures >104°F (> 40°C) and moisture.

11. Toxicological Information

Acute Toxicity/Irritation Studies: (Based on the mixture)

Acute toxicity:

LD50 (oral): >2000 mg/kg b.w. (rat)

LD50 (dermal): > 2000 mg/kg b.w. (rat)

LC50 (4h) (inhalation): > 5.20 mg/l (rat)

Irritation:

Skin: not irritant

Eyes: not irritant

Sensitization:

Not sensitizing agent.

Carcinogenic effects:

No carcinogenic effects.

Mutagenic effects:

No mutagenic effects.

Teratogenic effects:

No teratogenic effects.

12. Ecological Information

Environmental Hazards: This product may pose a risk to beneficial coleopteran (beetle) species. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate

Persistence/degradability: not persistent

Ecotoxicity:

Daphnia magna EC50(48h) >100 mg/L
 ED100(48h) >100 mg/L

Effect on non target organisms: No adverse effects reported

13. Disposal Considerations

Product disposal:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

Container disposal:

Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of resulting smoke.

14. Transport Information

DOT Classification

Not Regulated

International Maritime Organization

Not Regulated

International Civil Aviation Organization

Not Regulated

15. Regulatory Information

SARA Title III Classification

Section 302/304:	Not applicable
Section 311/312:	Acute health hazard (immediate)
Section 313 chemical(s):	Not applicable

Proposition 65

Not Applicable

CERCLA Reportable Quantity (RQ)

None

RCRA Classification

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA Status

Exempt from TSCA

16. Other Information

NFPA Hazard Ratings

Health: 1
Flammability: 0
Reactivity: 0

0	Least
1	Slight
2	Moderate
3	High
4	Severe

Notice: The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

Prepared By:

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