



SAFETY DATA SHEET

PRODUCT: TANNERITE® BINARY RIFLE TARGET

Section 1: Identification

Product Name: Tannerite® Binary Rifle Target
Manufacturer Name: Tannerite® Sports LLC/Dan J. Tanner
Address: 36366 Valley Rd, Pleasant Hill OR 97455
Emergency Telephone: 1-877-744-1406 (Toll Free hotline)
Other contact: 541-744-1384 (Fax)
Recommended Use: For use as shot-indicator with high powered rifle during long range shooting exercises.
Restrictions: For technical use only.

Section 2: Hazard(s) identification

Hazard Designation: N/A in primary form.
Hazard Statement(s): N/A in primary form.
Hazard Classification: N/A in primary form.

Section 3: Composition/information on ingredients

Chemical Ingredients: Comp A Base: White prill formation
Comp B Base: Gray powder formation

Trade Secret Claims: Protected by Trade Secret Clause as allowed by State and Federal Laws

Section 4: First-aid measures

First Aid: If product comes in contact with eyes, wash immediately with large amounts of water, normal saline solution for 15-20 minutes. Rest eyes. If pain or blurriness is persistent, seek medical attention.

Inhalation: Remove from exposure area to fresh air immediately.

Ingestion: If vomiting occurs, keep head lower than hips to help prevent aspiration. Treat systematically.

Section 5: Fire-fighting measures

Special Fire Fighting Procedures: N/A
This product will not burn in un-mixed or mixed form.

Section 6: Accidental release measures

Emergency Procedures: N/A

Proper Method Cleanup: Cleanup and dispense in compliance with all applicable codes.

Section 7: Handling and storage

Handling: This product is non-hazardous and safe to handle in binary form. Extremely insensitive in mixed form. A bullet is designed to create a kinetic reaction and sonic boom when shot with a rifle, producing a water vapor for a visual shot-indicator. Tannerite® is a unique patented rifle target that, when finished is classified as a UN0431

Storage: In binary form Tannerite® is exempt from storage requirements; however, for product longevity, it must be stored at room temperature without the presence of humidity, heat, sunlight or cold.

Incompatibilities: If removed from original packaging, this product is not compatible with food products or ingestible substances. Not compatible with liquids, dry ice, or humid shipments due to hygroscopic nature.

Section 8: Exposure controls/personal protection

Exposure Limits: N/A

Threshold Limit: N/A

Personal Protective Equipment Required: N/A

Section 9: Physical and chemical properties

Physical Form: Comp A Base: White prill formation
Comp B Base: Gray powder formation

Appearance: White component is granule, odorless. Black catalyst component in foil packet is fine, odorless

Melting Point: 1130 degrees F (610 degrees C) (Decomposes at 752 degrees F)

Solubility in Water: 0.75% @ 0 degrees C

Specific Gravity: 2.52 @ 10 degrees C

Molecular Weight: Approx. 138.55

Solvent Solubility: Very slightly soluble in alcohol; insoluble in either mixed or unmixed form.

Section 10: Stability and reactivity

Flash and Explosion Hazard: Non fire hazard in either unmixed or mixed form. This product is not classified as a hazardous material and is safe to handle in binary form. Extremely insensitive in mixed form. When mixed it is much safer than conventional exploding targets such as black powder based or similar rifle targets. When used as directed, it is designed to create a kinetic reaction and sonic boom when shot with a rifle, producing a water vapor for a visual shot-indicator.

Section 11: Toxicological information

Routes of Exposure: Inhalation, eye, mucus.

Human effects of over exposure: May cause constipation if more than 15cc is consumed orally.

Acute effects:

- Inhalation: May cause irritation of the mucous membranes
- Skin: May cause irritation to cuts
- Eye: May cause irritation with redness and pain. Solution may cause mild reversible damage

Carcinogenicity: This product is not known to cause cancer or any known disease.

Section 12: Ecological Information

N/A

Section 13: Disposal Considerations

Disposal practices: Water only. No dry chemical, carbon dioxide or Halon. Hydro-dispersal preferred.

Section 14: Transport Information

Shipping: In accordance with licensed private testing labs, this product as packaged by the manufacturer is not classified as a hazardous material and may be shipped via any method of transportation. Once mixed, this product may be subject to transportation regulations.

Section 15: Regulatory Information

Product Name: Tannerite® Binary Rifle Target

HTS#: 9305.99.6000 (Firearms accessories)

Class: Class 70., Targets, n.o.i. (Not otherwise indexed)

Use: Tannerite® Binary Rifle Targets must remain unmixed until use at the range. Once the two inert components are combined per instructions, 8 oz targets or less are classified as a UN0431, 1.4G (for technical purposes). Targets may only be used for non-commercial target shooting to be in compliance with CFR. Use only one target at a time.

Section 16: Other Information

Patent updated 7/24/11

Patent pending update 9/17/11

Patent reissue granted 7/23/13

Last updated 5/2/16