



SAFETY DATA SHEET

Hornady® Tumbling Media

Prepared to 29 CFR 1910.1200(g)(2) standards

SDS Revision: 2.0

SDS Revision Date: 07/29/2019

1. IDENTIFICATION

1.1	Product name:	Hornady® Tumbling Media
1.2	Chemical Name	See Section 3 Composition and Ingredients
1.3	Synonyms	#050303
1.4	Trade Names	Hornady® Tumbling Media
1.5	Product Use	Tumbling Media. Media for polishing metal, particularly brass cartridge cases
1.6	Manufacturer's Name	Hornady Manufacturing Company
1.7	Manufacturer's Address	P.O. Box 1848, Grand Island, Ne 68802 USA
1.8	Business Phone	+1 (308) 382-1390
1.9	Emergency Phone	CHEMTREC: +1 (800) 424-9300 / +1 (703) 527-3887
1.10	Prepared By	M. Graczyk

2. HAZARDS IDENTIFICATION

<p>HAZARD CLASSIFICATION: Eye damage/eye irritation Category 2; Skin corrosion/irritation- Category 3; Acute toxicity, inhalation- Category 4</p> <p>SIGNAL WORD: Warning</p> <p>HAZARD STATEMENTS (H): H316- Causes mild skin irritation. H319- Causes serious eye irritation. H332- Harmful if inhaled.</p> <p>PRECAUTIONARY STATEMENTS (P): P261- Avoid breathing dust. P264- Wash hands thoroughly after handling. P271- Use only outdoors or in a well-ventilated area. P280- Wear protective gloves/protective clothing/eye protection/face protection. P304+P340- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313- If skin irritation occurs: Get medical advice/attention. P337+P313- If eye irritation persists: Get medical advice/attention. P312- Call a POISON CENTER a doctor/physician if you feel unwell.</p> <p>See Section 11 for complete health hazard information.</p>	<p>Pictogram</p>						
	<p>2.1</p>						
2.2	Routes of Entry:	Inhalation:	Yes	Absorption:	No	Ingestion:	Yes

3. COMPOSITION /INGREDIENTS INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR - ppm (mg/m ³)				
					ACGIH		OSHA		
					TLV	STEL	PEL	STEL	IDLH
Granular corn cob	-	-	-	85-95	10	N/A	15	N/A	N/A
Aluminum oxide	1344-28-1	TY2000000	215-691-6	1-5	1	150	N/A	N/A	N/A
Trace ingredients (if any) are present in less than 1% concentration, (<0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers)					Balance	None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product.			

4. FIRST AID MEASURES

4.1	<p>GENERAL NOTES: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.</p> <p>EYES: Avoid direct contact. Wear chemical protective gloves, if necessary. Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice or attention.</p> <p>SKIN: Avoid direct contact. Wear chemical protective clothing, if necessary. Wash skin with lukewarm, gently flowing water and mild soap until product is removed. Call a doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention.</p> <p>INHALATION: Take precautions to ensure your own safety (e.g. wear appropriate protective equipment). Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.</p> <p>INGESTION: If you feel unwell or concerned: Get medical advice/attention. Rinse mouth. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.</p> <p>SELF-PROTECTION OF THE FIRST AIDER: In event of emergency, assess the danger before taking action. Do not put yourself at risk of injury. Use personal protective equipment as required. Victims of chemical exposure must be taken for medical attention. If necessary, rescuers should be taken for medical attention. Take a copy of label and SDS to physician or health professional with victim.</p>
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5. FIRE-FIGHTING MEASURES

5.1	Extinguishing media: Not applicable.
5.2	<p>Special firefighting procedures: Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible (safely). Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety device or any discoloration of storage tank due to fire. Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.</p>
5.3	<p>Unusual fire & explosion hazards: High temperatures may create heavy flammable vapors that may settle along ground level and low spots to create an invisible hazard.</p>
5.4	<p>Byproducts of combustion: Fires involving this product may release oxides of carbon; reactive hydrocarbons and irritating vapors</p>
5.5	Explosion data: Not determined. Care should always be exercised in dust/mist areas.
5.6	<p>Other: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.</p>

6. ACCIDENTAL RELEASE MEASURES

6.1	<p>Spill control procedures (land): Immediately turn off or isolate any source of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate. Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spill, once contained, may be picked up using explosion proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers for disposal. If a large spill occurs notify appropriate authorities. In case of road spill or accident contact Chem-Trec (800-424-9300)..</p>
6.2	<p>Spill control procedures (water): If a large spill occurs notify appropriate authorities (normal the National Response Center or Coast Guard at 800-424-8802)..</p>
6.3	<p>Waste disposal methods: Do not empty into drains. All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.</p>
6.4	<p>Other: CAUTION - If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will be regulated.</p>



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7. HANDLING & STORAGE

7.1	<p>Precautions for safe handling:</p> <p>Keep containers closed when not in use. Do not transfer to unmarked containers. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld, or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse. Handling temperatures should not exceed 60°C(140°F) to minimize danger of burns. Open containers carefully in a well ventilated area or use appropriate respiratory</p>
7.2	<p>Conditions for safe storage, including any incompatibilities:</p> <p>Store containers away from heat, sparks, open flame, or oxidizing materials. Extended storage at excessive temperatures may produce odorous and toxic fumes from product decomposition.</p>

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1	<p>Personal protection:</p> <p>Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.</p>
8.2	<p>Eye and face protection:</p> <p>Eye protection is strongly recommended. Wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent).</p>
8.3	<p>Hand protection:</p> <p>Impervious, chemically resistant gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.</p>
8.4	<p>Respiratory protection:</p> <p>None required if ventilation is adequate. Otherwise, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.</p>
8.5	<p>Other Protection:</p> <p>Use of an apron and overboots of chemically impervious materials such as neoprene or nitrile rubber is recommended based on level of activity and exposure. If handling hot material use insulated protective equipment. Launder soiled clothes. Properly dispose of contaminated leather articles and other materials that cannot be decontaminated.</p>
8.6	<p>Local control measures:</p> <p>Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as fume hoods or area fans may be used to reduce localized vapor/mist areas if vapor or mist is generated when the material is handled.</p>
8.7	<p>Other:</p> <p>Consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating, drinking, or using tobacco.</p>

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	Granular solid
	Odor:	Mild
	Odor threshold:	Not determined.
	pH	Not determined.
	Melting point/freezing point:	Not determined.
	Initial boiling point & boiling range:	Not determined.
	Flash point:	>171.1°C (>340°F)
	Evaporation rate:	Not determined.
	Flammability (solid, gas):	Not determined.
	Upper/lower flammability limits:	Not determined.
	Vapor pressure:	Not determined.
	Vapor density:	Not determined.
	Relative density:	<1 (Water = 1)
	Solubility	Miscible in water, negligible in most petroleum solvents.
	Partition coefficient: n-octanol/water:	Not determined.
	Auto-ignition temperature:	Not determined.
	Decomposition temperature:	Not determined.
	Viscosity:	Not determined.
Other:	Not applicable.	

10. STABILITY & REACTIVITY

10.1	Chemical stability: Material is chemically stable at room temperature and pressure.
10.2	Hazardous polymerization: Will not occur.
10.3	Conditions to avoid: Avoid high temperatures and product contamination.
10.4	Incompatible materials: Acids and strong oxidizing materials.
10.5	Decomposition products: Smoke, carbon monoxide, carbon dioxide, and other aldehydes of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

11.1	Acute toxicity (LD50) * See note at the bottom of the section: Oral - >5000 mg/kg Dermal - >5000 mg/kg Inhalation - 20.0 mg/l Skin irritation - Causes mild skin irritation. Eye irritation - Causes serious eye irritation. Dermal sensitization - Not expected to have a sensitizing effect. Respiratory sensitization - Not expected to have a sensitizing effect. Aspiration hazard - Not applicable.
11.2	Chronic toxicity: Mutagenicity - Not suspected of causing genetic defects. Carcinogenicity - Not suspected of causing cancer. Reproductive toxicity - Not expected to have adverse effects on reproduction. STOT-single exposure - Not expected to have adverse effects. STOT-repeated exposure - Not expected to have long term adverse effects.
11.3	Other: *All data in this section is based off calculations from Part 3 of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) utilizing information from the constituent components.

12. ECOLOGICAL INFORMATION

12.1	Environmental toxicity: Fish - >100 mg/l Invertebrates - >100 mg/l Aquatic plants - >100 mg/l Microorganism - >100 mg/l
12.2	Persistence and degradability: This product is expected to be readily biodegradable.
12.3	Bioaccumulative potential: Not determined.
12.4	Mobility in soil: Not determined.
12.5	Other: All classifications are based on calculations in Part 4 of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) utilizing information from the constituent components.



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13. DISPOSAL CONSIDERATIONS

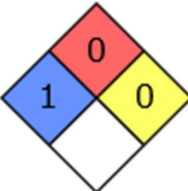
13.1	Disposal of the product: This product unadulterated by other materials can be classified as a non-hazardous waste. Depending on use, used product may be regulated. Dispose of in a licensed facility. Do not discharge product in to sewer system. Dispose of containers by crushing or puncturing, so as to prevent unauthorized use of used containers. Waste management should be in full compliance with federal, state, and local laws.
13.2	Other disposal recommendations: The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268, and 270. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

14. TRANSPORT INFORMATION

14.1	Land Transport (DOT)	Not regulated.
	Proper Shipping Name:	Not regulated.
14.2	Land Transport (TDG):	Not determined.
	Proper Shipping Name:	Not applicable.
14.3	Sea Transport (IMDG):	Not determined.
	Proper Shipping Name:	Not applicable.
14.4	Air Transport (IATA):	Not determined.
	Proper Shipping Name:	Not applicable.
14.5	Other:	Not applicable.

15. REGULATORY INFORMATION

15.1	Clean water act/oil: No components of this product are listed.
15.2	TSCA: All components of this material are listed in the U.S. TSCA inventory.
15.3	SARA Title III, Section 302/304 extremely hazardous substances: None.
15.4	SARA Title III, Section 313 toxic chemicals: No components present are at or greater than the minimum reportable concentration requirements for reporting.
15.5	SARA Title III, Section 311/312 hazard categorization: Acute Health Hazard
15.6	California Prop. 65 Components: This product contains no listed substances that require a warning under California's Proposition 65 statute.
15.7	State regulations/Right To Know Components: Not determined.
15.8	Other: A release of this product, as supplied, is exempt from reporting under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). However, contacting the local authorities is recommended in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

15.9	<p>HMIS Rating:</p> <table border="1" style="margin-left: 20px; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">Hornady Tumbling Media</th> </tr> </thead> <tbody> <tr> <td style="background-color: #000080; color: white;">HEALTH</td> <td style="background-color: #000080; color: white;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="background-color: #FF0000; color: white;">0</td> </tr> <tr> <td style="background-color: #FFA500; color: white;">PHYSICAL HAZARD</td> <td style="background-color: #FFA500; color: white;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PERSONAL PROTECTION</td> <td style="background-color: #000000; color: white;">B</td> </tr> </tbody> </table> <p>NFPA Rating:</p> <div style="text-align: center; margin-top: 10px;">  </div>	Hornady Tumbling Media		HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARD	0	PERSONAL PROTECTION	B
Hornady Tumbling Media											
HEALTH	1										
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PERSONAL PROTECTION	B										

16. OTHER INFORMATION

16.1	<p>See Section 2 (Hazards Identification). Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.</p> <p>This Safety Data Sheet has been revised 07/29/19 and supersedes all previous Safety Data Sheets. Revisions have been made to comply with OSHA and EU/EEA requirements.</p>
16.2	<p>Further information/disclaimer:</p> <p>DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Hornady Manufacturing Company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Hornady Manufacturing Company has been advised of the possibility of such damages.</p> <p>Unless updated, the Safety Data Sheet is valid until 07/29/2022.</p>