



**HORNADY MFG. CO.**

## **Safety Data Sheet Hornady® Tumbling Media**

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### **SECTION 1: Identification**

#### **1.1 Product identifier**

Product name	Hornady® Tumbling Media
Product number	#050303
Brand	Hornady®

#### **1.2 Other means of identification**

Tumbling Media

#### **1.3 Recommended use of the chemical and restrictions on use**

Tumbling Media. Media for polishing metal, particularly brass cartridge cases.

#### **1.4 Supplier's details**

Name	Hornady Mfg. Co.
Address	P.O. Box 1848 Grand Island NE 68802 USA
Telephone	(308) 382-1390
Fax	(308) 382-5761
Email	www.hornady.com

#### **1.5 Emergency phone number(s)**

CHEMTREC: (800) 424-9300 / (703) 527-3887

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### **SECTION 2: Hazard identification**

#### **2.1 Classification of the substance or mixture**

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Acute toxicity, inhalation, Cat. 4

#### **2.2 GHS label elements, including precautionary statements**

**Pictogram**



**Signal word**

**Warning**

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### Hazard statement(s)

H315	Causes skin irritation
H316	Causes mild skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled

### Precautionary statement(s)

P264	Wash hands thoroughly after handling.
P280	Wear eye protection/face protection/protective gloves/protective clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.

See Section 11 for complete health hazard information

**Routes of Entry:** Inhalation: Yes Absorption: No Ingestion: Yes

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

#### Hazardous components

##### 1. Granular Corn Cob

Concentration 85 - 95 % (weight)

##### 2. Aluminum oxide

Concentration 1 - 5 % (weight)  
EC no. 215-691-6  
CAS no. 1344-28-1

##### 3. Trace ingredients (if any) are present in less than 1% concentration, (<0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers)

Concentration Not specified

**None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product.**

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	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.
If inhaled	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.

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In case of skin contact	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.
In case of eye contact	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.
If swallowed	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.
Personal protective equipment for first-aid responders	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.

### 4.2 Most important symptoms/effects, acute and delayed

Refer to Section 2 for possible hazards.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

If breathing has stopped, administer CPR and consult a doctor immediately.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Not applicable

### 5.2 Specific hazards arising from the chemical

High temperatures may create heavy flammable vapors that may settle along ground level and low spots to create an invisible hazard.

### 5.3 Special protective actions for fire-fighters

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.

### Further information

Byproducts of combustion:

Fires involving this product may release oxides of carbon; reactive hydrocarbons and irritating vapors

Explosion data: Not determined. Care should always be exercised in dust/mist areas.

Other:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

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).

If a large spill occurs notify appropriate authorities (normally the National Response Center or Coast Guard at 800-424-8802).

### **6.3 Methods and materials for containment and cleaning up**

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.

CAUTION – If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will be regulated.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

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.

### **7.2 Conditions for safe storage, including any incompatibilities**

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.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **1. Aluminum oxide (CAS: 1344-28-1)**

PEL (Inhalation): see PNOR (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): See Appendix D (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 10 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 5 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### **8.2 Appropriate engineering controls**

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.

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### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Eye protection is strongly recommended. Wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent).

#### Skin protection

Impervious, chemically resistant gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.

#### Body protection

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.

#### Respiratory protection

None required if ventilation is adequate. Otherwise, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

#### Other Information

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.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Granular Solid
Odor	Mild
Odor threshold	Not determined.
pH	Not determined.
Melting point/freezing point	Not determined.
Initial boiling point and 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(ies)	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.
Explosive properties	Not determined.
Oxidizing properties	Not determined.

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## SECTION 10: Stability and reactivity

### 10.2 Chemical stability

Material is chemically stable at room temperature and pressure.

### 10.3 Possibility of hazardous reactions

Will not occur.

### 10.4 Conditions to avoid

Avoid high temperatures and product contamination.

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### 10.5 Incompatible materials

Acids and strong oxidizing materials.

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Aluminum oxide: Strong acids, Strong bases, Chlorine trifluoride, Ethylene oxide, Halogenated hydrocarbon, Oxygen difluoride, Sodium nitrate, Vinyl compounds, Oxygen, Nitrates, Halogens

### 10.6 Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, and other aldehydes of incomplete combustion.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

\*See note at the bottom of the section:

Oral - >5000 mg/kg

Dermal - >5000 mg/kg

Inhalation – 20.0 mg/l

#### Skin corrosion/irritation

Causes mild skin irritation.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

Not expected to have a sensitizing effect.

#### Germ cell 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.

#### Aspiration hazard

Not applicable

#### Additional information

\*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.

## **SECTION 12: Ecological information**

### **Toxicity**

Fish - >100 mg/l  
Invertebrates - >100 mg/l  
Aquatic plants - >100 mg/l  
Microorganism - >100 mg/l

### **Persistence and degradability**

This product is expected to be readily biodegradable.

### **Bioaccumulative potential**

Not determined.

### **Mobility in soil**

Not determined.

### **Other adverse effects**

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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## **SECTION 13: Disposal considerations**

### **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.

### **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.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not Regulated

### **IMDG**

Not Determined

### **IATA**

Not Applicable

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## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations specific for the product in question**

#### **Massachusetts Right to Know Components**

Chemical name: Aluminum oxide  
CAS number: 1344-28-1

#### **New Jersey Right to Know Components**

Chemical name: Aluminum oxide  
CAS number: 1344-28-1

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### 15.1 (Cont.)

#### Pennsylvania Right to Know Components

Chemical name: Aluminum oxide

CAS number: 1344-28-1

#### Canadian Domestic Substances List (DSL)

Chemical name: Aluminum oxide (Al<sub>2</sub>O<sub>3</sub>)

CAS: 1344-28-1

#### Clean water act/oil

No components of this product are listed.

#### Toxic Substances Control Act (TSCA) Inventory

All components of this material are listed in the U.S. TSCA inventory.

#### SARA Title III, Section 302/304 extremely hazardous substances

None.

#### SARA Title III, Section 313 toxic chemicals

No components present are at or greater than the minimum reportable concentration requirements for reporting.

#### SARA Title III, Section 311/312 hazard categorization

Acute Health Hazard

#### California Prop. 65 Components

This product contains no listed substances that require a warning under California's Proposition 65 statute.

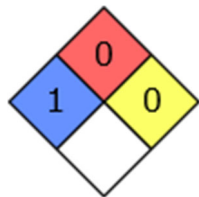
#### Other

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.

#### HMIS Rating

Hornady® Tumbling Media	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

#### NFPA Rating





## **SECTION 16: Other information**

See Section 2 (Hazards Identification). Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

### **16.1 Further information/disclaimer**

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.

### **16.2 Preparation information**

Prepared By: S. Duncan