

## 1. IDENTIFICATION

**Product identifier**

**Product Name** Ultra HTS Part C

**Other means of identification**

**SKU(s)** 407201, 407UM1, 407UM1D

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

**Recommended use** Abrasives  
**Uses advised against** Contact manufacturer

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

ULTRA DURABLE TECHNOLOGIES  
355 6th Ave. North  
Waite Park, MN 56387  
320-258-2266

**Emergency telephone number**

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

The substance is not classified as hazardous according to the Globally Harmonized System (GHS).

**Additional information**

Not hazardous as delivered. Long term inhalation of product dusts formed during use is harmful. There are no other hazards not otherwise classified that have been identified.  
0 Percent of the mixture consists of ingredient(s) of unknown toxicity

**Label elements**

**GHS label elements**

The product is not classified as hazardous according to OSHA GHS regulations within the United States.

**Hazard pictograms** Not Regulated

**Signal word** Not Regulated

**Hazard-determining components of labeling** None

**Hazard statements** Not Regulated

**Precautionary statements** Not Regulated

**Hazard description**

**WHMIS-symbols** Not hazardous under WHMIS

**Classification system**

NFPA ratings (scale 0 - 4)

**Health** 0

Per OSHA HCS (29 CFR 1910.1200)

**Fire** 0**Reactivity** 0

HMIS-ratings (scale 0 - 4)

**Health** 0**Fire** 0**Reactivity** 0**Other hazards****Results of PBT and vPvB assessment**

<b>PBT</b>	Not applicable
<b>vPvB</b>	Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical characterization:** Substances

CAS No. Description  
1344-28-1 Aluminum oxide

**4. FIRST AID MEASURES****Description of first aid measures****General information****After inhalation**

Respiration of particulates is unlikely during normal usage. Supply fresh air; consult doctor in case of complaints.

**After skin contact**

Brush off loose particles from skin. Clean with water and soap. If skin irritation is experienced, consult a doctor.

**After eye contact**

Rinse eyes with water for several minutes, remove contact lenses (if present) and continue rinsing. If symptoms persist, consult a doctor.

**After swallowing**

Rinse out mouth and then drink plenty of water. Consult a doctor in the event of accidental ingestion. Do not induce vomiting.

**Information for doctor****Most important symptoms and effects, both acute and delayed**

Coughing  
Gastric or intestinal disorders  
Breathing difficulty

**Danger**

Impaired breathing

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

**Suitable extinguishing agents** Use firefighting measures that suit the environment.

**For safety reasons unsuitable extinguishing agents** None

**Special hazards arising from the substance or mixture** No further relevant information available.

### Advice for firefighters

**Protective equipment** Wear self-contained respiratory protective device. Wear a fully protective suit.  
**Additional information** No further relevant information available.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol. For large spills, wear protective clothing. Avoid formation of dust. Ensure adequate ventilation.

**Environmental precautions** No special measures required.

**Methods and material for containment and cleaning up** Pick up mechanically. Dispose contaminated material as waste according to Section 13.

### Reference to other sections

See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection.  
 equipment. See Section 13 for disposal information.

## 7. HANDLING AND STORAGE

### Handling

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

Prevent formation of dust. Any deposit of dust which cannot be avoided must be regularly removed. Use only in well ventilated areas. Avoid breathing dust. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.

#### **Information about protection against explosions and fires**

No special measures required.

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

### Storage

#### **Requirements to be met by storerooms and receptacles**

No special requirements.

#### **Information about storage in one common storage facility**

**Store away from oxidizing agents. Store away from foodstuffs.**

#### **Further information about storage conditions**

Store in cool, dry conditions in well-sealed receptacles. Store receptacle in a well-ventilated area. Protect from humidity and water. This product is hygroscopic.

**Specific end use(s)** No further relevant information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Additional information about design of technical systems:** No further data; see item 7.

### Control parameters

#### Components with limit values that require monitoring at the workplace

##### 1344-28-1 Aluminum oxide

<b>PEL (USA)</b>	Long-term value: 15*; 15** mg/m <sup>3</sup> *Total dust; ** Respirable fraction
<b>REL (USA)</b>	Long-term value: 10* 5** mg/m <sup>3</sup> as Al*Total dust**Respirable/pyro powd./welding f.
<b>TLV (USA)</b>	Long-term value: 1* mg/m <sup>3</sup> as Al; *as respirable fraction
<b>EL (Canada)</b>	Long-term value: 1.0 mg/m <sup>3</sup> respirable, as Al
<b>EV (Canada)</b>	Long-term value: 10 mg/m <sup>3</sup> total dust
<b>LMPE (Mexico)</b>	Long-term value: 1* mg/m <sup>3</sup> A4, *fracción respirable

### Additional information

The lists that were valid during the creation were used as a basis.

### **Exposure controls**

**Personal protective equipment** Safety goggles

### **General protective and hygienic measures**

The usual precautionary measures for handling chemicals should be followed. Keep away from food, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with eyes. Avoid close or long-term contact with the skin. Do not inhale dust / smoke / mist.

### **Engineering controls**

No further relevant information available.

### **Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable.

### **Eye/Face protection**

Wear approved safety goggles.

### **Protection of hands**

Wear gloves for the protection against mechanical hazards according to OSHA and NIOSH rules. Gloves are advised for repeated or prolonged contact. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

### **Body protection**

Not required under normal conditions of use. Protection may be required for spills.

### **Limitation and supervision of exposure into the environment**

No special requirements.

### **Risk management measures**

No special requirements.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### General Information

##### Appearance

Form	Granulate
Color	White
Odor	Odorless
Odor threshold	Not determined
pH-value	Slightly alkaline

#### Change in condition

Melting point/Melting range	2050 °C (3722 °F)
Boiling point/Boiling range	Undetermined
Flash point	Not applicable
Flammability (solid, gaseous)	Product is not flammable
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Auto igniting	Not determined

**Danger of explosion** Product does not present an explosion hazard

#### Explosion limits

Lower	Not determined
Upper	Not determined
Vapor pressure	Not applicable
Density at 20 °C (68 °F)	3.95 g/cm <sup>3</sup> (32.963 lbs./gal)
Relative density	Not determined
Vapor density	Not applicable
Evaporation rate	Not applicable
Solubility in / Miscibility with	
Water	Insoluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not applicable
Kinematic	Not applicable
Other information	No further relevant information available.

## 10. STABILITY AND REACTIVITY

### Reactivity

#### Chemical stability

<b>Thermal decomposition / conditions to be avoided</b>	No decomposition if used and stored according to specifications.
<b>Possibility of hazardous reactions</b>	Reacts with strong acids. Reacts with oxidizing agents. Reacts with strong alkali.
<b>Conditions to avoid</b>	No further relevant information available.
<b>Incompatible materials</b>	No further relevant information available.
<b>Hazardous decomposition products</b>	Toxic metal oxide smoke



**Recommendation**

Smaller quantities can be disposed of with household waste. Can be reused after reprocessing.  
Disposal must be made according to official regulations.

<b>14. TRANSPORT INFORMATION</b>
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UN-Number	
DOT, ADR, ADN, IMDG, IATA	Not Regulated
DOT, ADR, ADN, IMDG, IATA	Not Regulated
Class	Not Regulated
DOT, ADR, IMDG, IATA	Not Regulated

Environmental hazards	
Marine pollutant	No
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
UN "Model Regulation"	

<b>15. REGULATORY INFORMATION</b>
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Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA**

Section 355 (extremely hazardous substances)	substance not listed
Section 313 (specific toxic chemical listings)	substance is listed
TSCA (Toxic Substances Control Act)	substance is listed

**Proposition 65 (California)**

Chemicals known to cause cancer	substance not listed
Chemicals known to cause reproductive toxicity for females	substance not listed
Chemicals known to cause reproductive toxicity for males	substance not listed
Chemicals known to cause developmental toxicity	substance not listed

**Carcinogenic categories**

EPA (Environmental Protection Agency)	substance not listed
IARC (International Agency for Research on Cancer)	substance not listed
TLV (Threshold Limit Value established by ACGIH)	1344-28-1 aluminum oxide
NIOSH-Ca	substance not listed
State Right to Know Listings	substance not listed

**Canadian substance listings**

Canadian Domestic Substances List (DSL)	substance is listed
Canadian Ingredient Disclosure list (limit 0.1%)	substance is not listed
Canadian Ingredient Disclosure list (limit 1%)	substance is listed

**Other regulations, limitations and prohibitive regulations**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Product Regulations.

**United States (USA)**

This product is not a "hazardous chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

Revision Date 04-Jan-2023  
Revision Note

**Abbreviations and acronyms**

<b>ADR</b>	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<b>IMDG</b>	International Maritime Code for Dangerous Goods
<b>DOT</b>	US Department of Transportation
<b>IATA</b>	International Air Transport Association
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>EINECS</b>	European Inventory of Existing Commercial Chemical
<b>Substances CAS</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>NFPA</b>	National Fire Protection Association (USA)
<b>HMIS</b>	Hazardous Materials Identification System (USA)
<b>WHMIS</b>	Workplace Hazardous Materials Information System (Canada)
<b>LC50</b>	Lethal concentration, 50 percent
<b>LD50</b>	Lethal dose, 50 percent

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet