

**DuPont™ StoneTech® Professional SHINING POWDER 1000**

Version 3.1

Revision Date 02/27/2013

Ref. 130000031685

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : DuPont™ StoneTech® Professional SHINING POWDER 1000  
MSDS Number : 130000031685

Manufacturer : DuPont  
1007 Market Street  
Wilmington, DE 19898

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)  
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

## Potential Health Effects

## Skin

Shellac : Causes skin irritation. May cause:, Pain, burning sensation, itching, redness, swelling, or rash..

## Eyes

Aluminum oxide : May cause eye irritation. May cause:, Tearing, redness, or discomfort..

Shellac : Causes eye irritation. May cause:, Pain, tearing, swelling, redness, or temporary visual impairment..

## Inhalation

Aluminum oxide : Causes respiratory tract irritation. May cause:, Cough, sneezing, runny nose, sore throat, or shortness of breath..

## Repeated exposure

Aluminum oxide : Fibrosis with altered lung function or difficulty breathing

## Target Organ

Aluminum oxide : Lungs Respiratory Tract

## Carcinogenicity

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None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Aluminum oxide	1344-28-1	80 %
Shellac	9000-59-3	<20 %
Tin monoxide	21651-19-4	<10 %

**SECTION 4. FIRST AID MEASURES**

- Skin contact : Wash off immediately with plenty of water. Wash contaminated clothing before re-use.
- Eye contact : If in eyes, rinse with water for 15 minutes. Consult a physician.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician.
- Ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.

**SECTION 5. FIREFIGHTING MEASURES**

- Fire and Explosion Hazard : The product itself does not burn. Hazardous combustion products



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- Hazardous combustion products : Carbon monoxide, Carbon dioxide
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Firefighting Instructions : Wear self-contained breathing apparatus and protective suit.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Use personal protective equipment.
- Spill Cleanup : Pick up and transfer to properly labelled containers. Sweep up to prevent slipping hazard. Avoid dust formation.

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothing.
- Storage : Keep in a dry place. To maintain product quality, do not store in heat or direct sunlight.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Engineering controls : Ensure adequate ventilation.
- Personal protective equipment
  - Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
  - Hand protection : Material: Impervious gloves


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Eye protection : Safety glasses Tightly fitting safety goggles

Skin and body protection : impervious clothing  
Apron

**Exposure Guidelines  
Exposure Limit Values**

Aluminum oxide				
PEL:	(OSHA)	5 mg/m3	8 hr. TWA	Respirable fraction.
PEL:	(OSHA)	15 mg/m3	8 hr. TWA	Total dust.
TLV	(ACGIH)	10 mg/m3	8 hr. TWA	
TLV	(ACGIH)	1 mg/m3	TWA	Respirable fraction.
Tin monoxide				
PEL:	(OSHA)	5 mg/m3	8 hr. TWA	Respirable fraction.
PEL:	(OSHA)	15 mg/m3	8 hr. TWA	Total dust.
PEL:	(OSHA)	2 mg/m3	8 hr. TWA	as Sn
TLV	(ACGIH)	10 mg/m3	8 hr. TWA	Inhalable particles.
TLV	(ACGIH)	3 mg/m3	8 hr. TWA	Respirable particles.
TLV	(ACGIH)	2 mg/m3	TWA	as Sn

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : powder  
Color : white, tan  
Specific gravity : 3.8

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**SECTION 10. STABILITY AND REACTIVITY**

Stability	: Stable under recommended storage conditions.
Incompatibility	: Strong acids
Hazardous decomposition products	: Incompletely burned carbon products, Carbon dioxide (CO <sub>2</sub> ), Carbon monoxide

**SECTION 11. TOXICOLOGICAL INFORMATION**

Aluminum oxide	
Oral LD50	: > 15,900 mg/kg , rat
Inhalation 4 h LC50	: 2.1 mg/l , rat Target Organs: Respiratory Tract Respiratory tract irritation
Skin irritation	: No skin irritation, rabbit
Eye irritation	: No eye irritation, rabbit slight irritation
Skin sensitization	: Does not cause respiratory sensitisation., mouse Does not cause skin sensitisation., guinea pig
Repeated dose toxicity	: Inhalation rat  Target Organs: Lungs Fibrosis  Oral rat  No toxicologically significant effects were found.


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- Carcinogenicity : Overall weight of evidence indicates that the substance is not carcinogenic.
- Mutagenicity : Did not cause genetic damage in cultured bacterial cells.  
Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.  
Genetic damage in animals was observed in some laboratory tests but not in others.
- Reproductive toxicity : Animal testing showed no reproductive toxicity.
- Teratogenicity : Animal testing showed no developmental toxicity.

## Shellac

- Dermal LD50 : > 10,000 mg/kg , rabbit
- Oral LD50 : > 5,000 mg/kg , rat
- Skin irritation : Skin irritation, rabbit
- Eye irritation : Moderate eye irritation, rabbit
- Skin sensitization : Does not cause skin sensitisation., human  
Patch test on human volunteers did not demonstrate sensitisation properties.  
  
Does not cause respiratory sensitisation., human
- Repeated dose toxicity : Oral  
rat  
  
No toxicologically significant effects were found.  
  
Inhalation  
rabbit  
  
No toxicologically significant effects were found.
- Mutagenicity : Did not cause genetic damage in cultured bacterial cells.
- Reproductive toxicity : Animal testing showed effects on reproduction that included
- Teratogenicity : Animal testing showed no developmental toxicity.



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Tin monoxide

Oral LD50 : > 10,000 mg/kg , rat

Repeated dose toxicity : Oral  
rat

No toxicologically significant effects were found.

**SECTION 12. ECOLOGICAL INFORMATION**

Environmental Fate

Shellac

Bioaccumulation : Bioconcentration factor (BCF) : 1.36  
Bioaccumulation is unlikely.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : In accordance with local and national regulations.

**SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. REGULATORY INFORMATION**

TSCA : On the inventory, or in compliance with the inventory



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- SARA 313 Regulated Chemical(s) : Aluminum oxide
- California Prop. 65 : Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known
- PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Aluminum oxide
- NJ Right to Know Regulated Chemical(s) : Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Aluminum oxide , Shellac

**SECTION 16. OTHER INFORMATION**

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Contact person : MSDS Coordinator, DuPont Chemicals and Fluoroproducts, Wilmington, DE 19898, (800) 441-7515

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