

**DuPont™ StoneTech® Professional Soap Scum Remover for Natural Stone**

Version 2.0

Revision Date 08/11/2011

Ref. 130000109639

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 Soap Scum Remover for Natural Stone
MSDS Number : 130000109639

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 : May cause skin irritation.
May cause: Discomfort, itching, redness, or swelling.

Eyes : May cause eye irritation.
May cause: Tearing, redness, or discomfort.

Inhalation : May cause irritation of respiratory tract.
May cause: Cough, Discomfort.

Ingestion : Aspiration hazard if swallowed - can enter lungs and cause damage.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Target Organs

Potassium hydroxide : Respiratory Tract Gastrointestinal tract

Carcinogenicity

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.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No. | Concentration |
|------------------------------|-----------|---------------|
| Water | 7732-18-5 | 93 - 98 % |
| Alcohol Ethoxylate | | 3 - 5 % |
| Ethoxylated Quaternary Amine | | <2 % |
| Sodium dodecyl sulfate | 151-21-3 | <0.25 % |
| Potassium hydroxide | 1310-58-3 | <0.25 % |

SECTION 4. FIRST AID MEASURES

- Skin contact : Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed. Symptoms may be delayed. Call a physician immediately.
- Ingestion : Call a physician or poison control centre immediately. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- General advice : When symptoms persist or in all cases of doubt seek medical advice.

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SECTION 5. FIREFIGHTING MEASURES

Flammable Properties

Thermal decomposition : > 200 °C (> 392 °F)
To avoid thermal decomposition, do not overheat.
Thermal decomposition can lead to release of irritating gases and vapours.

Fire and Explosion Hazard : The product itself does not burn. Hazardous decomposition products formed under fire conditions. Hazardous combustion products Carbon dioxide (CO₂) Carbon monoxide Other hazardous decomposition products may be formed.

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Firefighting Instructions : Wear self contained breathing apparatus for fire fighting if necessary. Evacuate personnel to safe areas. Do not allow run-off from fire fighting to enter drains or water courses.

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) : Evacuate personnel to safe areas. Use personal protective equipment. Ventilate the area.

Spill Cleanup : Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

Accidental Release Measures : Do not discharge to streams, ponds, lakes or sewers. Avoid subsoil penetration.

SECTION 7. HANDLING AND STORAGE

Handling (Personnel) : Avoid breathing vapours or mist. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wash



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contaminated clothing before re-use.

Handling (Physical Aspects) : To avoid thermal decomposition, do not overheat. Thermal decomposition can lead to release of irritating gases and vapours.
Do not spray near open flame or heated surface.

Storage : Keep tightly closed in a dry, cool and well-ventilated place.
Protect from freezing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : Use only in area provided with appropriate exhaust ventilation.

Personal protective equipment

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection : Additional protection: Impervious gloves

Eye protection : Wear safety glasses or coverall chemical splash goggles.

Skin and body protection : Lightweight protective clothing

Exposure Guidelines

Exposure Limit Values

None established.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
pH : 12.45
Specific gravity : 1.0065 at 24 °C (75 °F)

SECTION 10. STABILITY AND REACTIVITY


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| | |
|----------------------------------|--|
| Stability | : Stable under normal conditions. |
| Conditions to avoid | : To avoid thermal decomposition, do not overheat. |
| Hazardous decomposition products | : Carbon dioxide , Carbon monoxide Incompletely burned carbon products Other hazardous decomposition products may be formed. |

SECTION 11. TOXICOLOGICAL INFORMATION

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Skin irritation : slight irritation, rabbit

Non-corrosive

Eye irritation : slight irritation, rabbit

Alcohol Ethoxylate

Dermal LD50 : 5,000 mg/kg , rat

Oral LD50 : 1,400 mg/kg , rat

Skin sensitization : Did not cause sensitization on laboratory animals., animals (unspecified species)

 Repeated dose toxicity : Dermal
rat
Skin effects, Thickening of skin

Mutagenicity : Did not cause genetic damage in cultured bacterial cells.

Reproductive toxicity : Evidence suggests the substance is not a reproductive toxin in animals.

Ethoxylated Quaternary Amine

Oral LD50 : 580 mg/kg , rat

Mutagenicity : Did not cause genetic damage in cultured bacterial cells.

Sodium dodecyl sulfate


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| | | |
|------------------------|---|--|
| Dermal LD50 | : | 580 mg/kg , rabbit |
| Oral LD50 | : | 1,000 mg/kg , rat |
| Inhalation 4 h ALC | : | 0.78 mg/l , rat |
| Skin sensitization | : | Patch test on human volunteers did not demonstrate sensitization properties., human There are reports of human skin sensitization. |
| Repeated dose toxicity | : | Oral rat Reduced growth rate, Gastrointestinal disturbance Inhalation guinea pig Respiratory irritation, Lethargy |
| Mutagenicity | : | Did not cause genetic damage in animals. Did not cause genetic damage in cultured mammalian cells. Did not cause genetic damage in cultured bacterial cells. |
| Teratogenicity | : | Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity. |
| Potassium hydroxide | | |
| Oral LD50 | : | 273 mg/kg , rat Target Organs: Gastrointestinal tract |
| Inhalation | : | Target Organs: Respiratory Tract Fluid retention in lungs (pulmonary oedema) |
| Skin sensitization | : | Animal test did not cause sensitization by skin contact., guinea pig |
| Mutagenicity | : | Tests on bacterial or mammalian cell cultures did not show mutagenic effects. |

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

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| | | |
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| Alcohol Ethoxylate | | |
| 96 h LC50 | : | Pimephales promelas (fathead minnow) 6.0 - 12.0 mg/l |
| 48 h EC50 | : | Daphnia magna (Water flea) 2.9 - 8.5 mg/l |
| Ethoxylated Quaternary Amine | | |
| 96 h LC50 | : | Fish (unspecified species) 11.82 mg/l |
| Sodium dodecyl sulfate | | |
| 96 h LC50 | : | Oncorhynchus mykiss (rainbow trout) 4.62 mg/l |
| 96 h LC50 | : | Pimephales promelas (fathead minnow) 6.6 mg/l |
| Potassium hydroxide | | |
| 96 h LC50 | : | Gambusia affinis (Mosquito fish) 80 mg/l |
| 48 h EC50 | : | Ceriodaphnia Dubia (water flea) 40 mg/l |

Information given is based on data obtained from similar substances.

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

SARA 313 Regulated Chemical(s) : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels



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established by SARA Title III, Section 313.

CERCLA Reportable Quantity : 714,286 lbs
Based on the percentage composition of this chemical in the product.:
Potassium hydroxide

California Prop. 65 : Chemicals known to the State of California to cause cancer, birth defects or
any other harm: none known

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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