

**DuPont™ Soap Scum Remover for Natural Stone**

Version 3.1

Revision Date 08/02/2013

Ref. 130000103125

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™ Soap Scum Remover for Natural Stone
MSDS Number	:	130000103125
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 Organ

Potassium hydroxide	:	Respiratory Tract Gastrointestinal tract
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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 sulphate	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.

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.

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Wash hands before breaks and immediately after handling the product. Wash 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

Contains no substances with occupational 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)

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SECTION 10. STABILITY AND REACTIVITY

- 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 : No skin irritation, rabbit
slight irritation

Non-corrosive

Eye irritation : No eye irritation, rabbit
slight irritation

Alcohol Ethoxylate

Dermal LD50 : 2,000 - 5,000 mg/kg , rabbit

Oral LD50 : 1,100 mg/kg , rat

Skin sensitization : Does not cause skin sensitisation., guinea pig

Repeated dose toxicity : Dermal
rat

Skin effects, Thickening of skin

Oral
rat

No toxicologically significant effects were found.

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

Teratogenicity : Evidence suggests the substance is not a developmental toxin in animals.

Ethoxylated Quaternary Amine
Oral LD50

: 580 mg/kg , rat

Skin sensitization : Does not cause skin sensitisation., guinea pig

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

Sodium dodecyl sulphate
Dermal LD50

: > 2,000 mg/kg , rabbit
Information given is based on data obtained from similar substances.

Oral LD50 : 1,200 mg/kg , rat

Skin sensitization : Does not cause skin sensitisation., guinea pig

Repeated dose toxicity : Oral
rat

No toxicologically significant effects were found.

Carcinogenicity : Animal testing did not show any carcinogenic effects.

Mutagenicity : Animal testing did not show any mutagenic effects.
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Reproductive toxicity : Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

Potassium hydroxide
Oral LD50

: 273 mg/kg , rat
Target Organs: Gastrointestinal tract

Inhalation :
Target Organs: Respiratory Tract
Fluid retention in lungs (pulmonary oedema)


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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
Alcohol Ethoxylate

96 h LC50 : Pimephales promelas (fathead minnow) 8.5 - 11 mg/l

48 h EC50 : Daphnia magna (Water flea) 2.7 - 12 mg/l

Ethoxylated Quaternary Amine

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 24 mg/l

72 h EC50 : Algae 1.6 mg/l

48 h EC50 : Daphnia magna (Water flea) 13 mg/l OECD Test Guideline 202

Sodium dodecyl sulphate

96 h LC50 : Pimephales promelas (fathead minnow) 29 mg/l OECD Test Guideline 203

72 h EbC50 : Desmodesmus subspicatus (green algae) 53 mg/l

72 h ErC50 : Desmodesmus subspicatus (green algae) > 120 mg/l

72 h NOEC : Desmodesmus subspicatus (green algae) 30 mg/l

48 h EC50 : Ceriodaphnia Dubia (water flea) 5.55 mg/l

42 d : NOEC Pimephales promelas (fathead minnow) > 1.357 mg/l

21 d : NOEC Daphnia magna (Water flea) 2 - 4 mg/l

Potassium hydroxide

96 h LC50 : Gambusia affinis (Mosquito fish) 80 mg/l

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48 h EC50 : Ceriodaphnia Dubia (water flea) 40 mg/l
Information given is based on data obtained from similar substances.

Environmental Fate**Alcohol Ethoxylate**

Biodegradability : 80 %
Readily biodegradable.

Bioaccumulation : Bioaccumulation is unlikely.

Ethoxylated Quaternary Amine

Biodegradability : 11 %
Not readily biodegradable.

Sodium dodecyl sulphate

Biodegradability : 95 % OECD Test Guideline 301
Readily biodegradable.

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

The DuPont Oval Logo® and DuPont™ are registered trademarks or trademarks of E. I. du Pont de Nemours and Company or its affiliates.

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

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