

**DuPont™ StoneTech® Professional Oil Stain Remover**

Version 3.1

Revision Date 02/27/2013

Ref. 130000027557

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 Oil Stain Remover
MSDS Number	:	130000027557
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., Repeated or prolonged skin contact may cause allergic reactions with susceptible persons., Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering..
Eyes	:	May cause eye irritation. May cause:, tearing, Redness, Discomfort.
Inhalation	:	May cause irritation of respiratory tract. Inhalation of high vapour concentrations can cause CNS-depression and narcosis., Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness..
Ingestion	:	Aspiration hazard if swallowed - can enter lungs and cause damage. May cause:, Cough, choking, Shortness of breath, Rapid respiration, Effects on heart rate, Fever, Fluid retention in lungs (pulmonary oedema), Tiredness or drowsiness, Coma, Gastrointestinal disturbance, Incoordination, Lethargy.

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Repeated exposure : Adverse effects from repeated inhalation may include: Central nervous system effects, Altered behaviour, Kidney effects, lung effects, Liver effects, Spleen effects

Target Organ : Respiratory Tract, Central nervous system

Carcinogenicity Material	IARC	NTP	OSHA
Quartz	1	X	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Calcium Carbonate	1317-65-3	40 - 50 %
D-limonene		40 - 50 %
Naphtha (petroleum), hydrotreated heavy (< 0.1% benzene)	64742-48-9	5 - 10 %
Alkyl Ammonium Montmorillonite		<2 %
Alkyl Ammonium Bentonite		<2 %
Propan-2-ol	67-63-0	<2 %
Quartz	14808-60-7	<0.3 %

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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. 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. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|-------------------------------|---|
| Flammable Properties | |
| Flash point | : 49 °C (120 °F) closed cup |
| Fire and Explosion Hazard | : Combustible |
| | Hazardous decomposition products formed under fire conditions. |
| Hazardous combustion products | : Carbon monoxide, Carbon dioxide |
| Suitable extinguishing media | : Water mist, Foam, Dry chemical, Carbon dioxide (CO2) |
| Firefighting Instructions | : Wear self contained breathing apparatus for fire fighting if necessary. Evacuate personnel to safe areas. Cool containers / tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses. |

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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 fumes. Avoid contact with skin, eyes and clothing. 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. |
| Storage | : Keep tightly closed in a dry, cool and well-ventilated place. |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- | | |
|-------------------------------|---|
| Engineering controls | : Use only in area provided with appropriate exhaust ventilation. |
| Personal protective equipment | |
| Respiratory protection | : In the case of vapour formation use a respirator with an approved filter. |
| Hand protection | : Additional protection: Impervious gloves |


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

Skin and body protection : Lightweight protective clothing

Exposure Guidelines

Exposure Limit Values

Calcium Carbonate

PEL: (OSHA) 5 mg/m3 8 hr. TWA Respirable fraction.

PEL: (OSHA) 15 mg/m3 8 hr. TWA Total dust.

TLV (ACGIH) 3 mg/m3 8 hr. TWA Respirable particles.

TLV (ACGIH) 10 mg/m3 8 hr. TWA Inhalable particles.

D-limonene

AEL * (DUPONT) 50 ppm 8 & 12 hr. TWA

Propan-2-ol

PEL: (OSHA) 400 ppm 980 mg/m3 8 hr. TWA

TLV (ACGIH) 200 ppm TWA

TLV (ACGIH) 400 ppm STEL

AEL * (DUPONT) 200 ppm 8 & 12 hr. TWA

Quartz

PEL: (OSHA) 2.4 millions of particles per cubic foot of air TWA

Respirable.

Remarks

The exposure limit is calculated from the equation, $250/(\%SiO_2+5)$, using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.

PEL: (OSHA) 0.1 mg/m3 TWA Respirable.

Remarks

The exposure limit is calculated from the equation, $10/(\%SiO_2+2)$, using a value of

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			100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits.
PEL:	(OSHA)	0.3 mg/m ³ Remarks	TWA Total dust. The exposure limit is calculated from the equation, $30/(\%SiO_2+2)$, using a value of 100% SiO ₂ . Lower values of % SiO ₂ will give higher exposure limits.
TLV	(ACGIH)	0.025 mg/m ³	TWA Respirable fraction.
AEL *	(DUPONT)	0.01 mg/m ³	12 hr. TWA Respirable dust.
AEL *	(DUPONT)	0.02 mg/m ³	8 hr. TWA Respirable dust.

Biological Exposure Indices

Propan-2-ol BEI	(ACGIH)	40 mg/l Acetone/Urine Sampling time: End of shift at end of work week.
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* 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	: paste
Color	: grey
Odor	: lemon-like

SECTION 10. STABILITY AND REACTIVITY

Stability	: Stable under normal conditions.
Conditions to avoid	: To avoid thermal decomposition, do not overheat.

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Incompatibility : strong oxidizers

Hazardous decomposition products : nitrogen oxides (NOx) , Carbon dioxide , Carbon monoxide, Hydrochloric acid...%
Incompletely burned carbon products
Other hazardous decomposition products may be formed.

SECTION 11. TOXICOLOGICAL INFORMATION

Calcium Carbonate
Dermal LD50 : > 2,000 mg/kg , rat
Information given is based on data obtained from similar substances.

Oral LD50 : > 2,000 mg/kg , rat
Information given is based on data obtained from similar substances.

Inhalation 4 h LC50 : > 3 mg/l , rat
Information given is based on data obtained from similar substances.

Skin irritation : No skin irritation, rabbit
Information given is based on data obtained from similar substances.

Eye irritation : No eye irritation, rabbit
Information given is based on data obtained from similar substances.

Skin sensitization : Does not cause skin sensitisation., mouse
Information given is based on data obtained from similar substances.

Repeated dose toxicity : Oral
rat

No toxicologically significant effects were found., Information given is based on data obtained from similar substances.

Carcinogenicity : Due to its physical properties, there is no potential for adverse effects.

Mutagenicity : Evidence suggests this substance does not cause genetic damage in animals.
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Information given is based on data obtained from similar substances.

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Reproductive toxicity : Animal testing showed no reproductive toxicity.
Information given is based on data obtained from similar substances.

Teratogenicity : Animal testing showed no developmental toxicity.
Information given is based on data obtained from similar substances.

D-limonene

Dermal LD50 : > 5,000 mg/kg , rabbit

Oral LD50 : > 5,000 mg/kg , rat

Inhalation : No toxicologically significant effects were found at the highest dose tested.

Skin irritation : Skin irritation, rabbit

Eye irritation : No eye irritation, rabbit

Skin sensitization : Causes sensitisation., mouse
There are reports of human skin sensitization.
Does not cause respiratory sensitisation., mouse

Repeated dose toxicity : Oral
multiple species
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 effects on reproduction at levels equal to or above those causing parental toxicity.
Information given is based on data obtained from similar substances.

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Naphtha (petroleum), hydrotreated heavy (< 0.1% benzene)

Dermal LD50 : > 3,200 mg/kg , rabbit

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Oral LD50	:	> 5,000 mg/kg , rat
Inhalation	:	An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.
Skin irritation	:	Mild skin irritation, rabbit
Eye irritation	:	slight irritation, rabbit The toxicological data has been taken from products of similar composition.
Skin sensitization	:	Did not cause sensitisation on laboratory animals., guinea pig
Repeated dose toxicity	:	human Target Organs: Central nervous system Chronic exposure damages the brain and the central nervous system.
Carcinogenicity	:	Overall weight of evidence indicates that the substance is not carcinogenic.
Mutagenicity	:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Did not cause genetic damage in animals.
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.
Alkyl Ammonium Bentonite		
Oral LD50	:	> 5,000 mg/kg , rat The toxicological data has been taken from products of similar composition.
Inhalation 4 h ALC - Approximate Lethal Concentration	:	> 12.6 mg/l , rat The toxicological data has been taken from products of similar composition.

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Skin irritation : rat
non-irritant Information given is based on data obtained from similar substances.

Eye irritation : rabbit
slight irritation Information given is based on data obtained from similar substances.

Skin sensitization : Did not cause sensitisation on laboratory animals., guinea pig
Not a skin sensitizer. The toxicological data has been taken from products of similar composition.

Repeated dose toxicity : Dermal
rabbit

No toxicologically significant effects were found., Information given is based on data obtained from similar substances.

Propan-2-ol

Dermal LD50 : 12,870 mg/kg , rabbit

Oral LD50 : 5,840 mg/kg , rat

Inhalation 4 h LC50 : 72.6 mg/l , rat
Target Organs: Central nervous system
Central nervous system depression

Skin irritation : No skin irritation, rabbit

Eye irritation : Eye irritation, rabbit

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

Repeated dose toxicity : Inhalation
multiple species

No toxicologically significant effects were found.

Carcinogenicity : Overall weight of evidence indicates that the substance is not carcinogenic.

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- 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 effects on reproduction at levels equal to or above those causing parental toxicity.
- Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Quartz

- Dermal : No adverse effects expected.
- Oral ALD : > 11,000 mg/kg , rat
- Inhalation : human
Effects of breathing high concentration of respirable particles may include:
Breathing difficulties
Cough
Adverse body weight effects
Lung damage
- Skin irritation : No skin irritation, animals (unspecified species)
- Eye irritation : slight irritation, animals (unspecified species)
- Skin sensitization : Did not cause sensitisation on laboratory animals., animals (unspecified species)
- Repeated dose toxicity : Inhalation
Fluid retention in lungs (pulmonary oedema), lung effects,
Inflammation, Chronic lung disease, Fibrosis
- Carcinogenicity : An increased incidence of tumours was observed in laboratory animals.
An increased risk of cancer in humans has been shown in workplace-based studies.
- Mutagenicity : Did not cause genetic damage in cultured bacterial cells.
Did not cause genetic damage in animals.
Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.

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Reproductive toxicity : No adverse effects expected.

SECTION 12. ECOLOGICAL INFORMATIONAquatic Toxicity
Calcium Carbonate

- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 100 mg/l OECD Test Guideline 203
Information given is based on data obtained from similar substances.
- 72 h EC50 : Desmodesmus subspicatus (green algae) > 14 mg/l OECD Test Guideline 201
Information given is based on data obtained from similar substances.
- 48 h EC50 : Daphnia magna (Water flea) > 100 mg/l OECD Test Guideline 202
Information given is based on data obtained from similar substances.

D-limonene

- 96 h LC50 : Pimephales promelas (fathead minnow) 0.72 mg/l OECD Test Guideline 203
- 72 h ErC50 : Desmodesmus subspicatus (green algae) 8 mg/l OECD Test Guideline 201
- 48 h EC50 : Daphnia magna (Water flea) 0.36 mg/l OECD Test Guideline 202
- 21 d : NOEC Daphnia magna (Water flea) 0.27 mg/l OECD Test Guideline 211

Naphtha (petroleum), hydrotreated heavy (< 0.1% benzene)

- 96 h LC50 : Pimephales promelas (fathead minnow) > 2,200 mg/l

Propan-2-ol

- 96 h LC50 : Pimephales promelas (fathead minnow) 9,640 mg/l OECD Test Guideline 203
- 72 h ErC50 : Scenedesmus quadricauda (Green algae) > 1,000 mg/l

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24 h EC50 : Daphnia > 10,000 mg/l OECD Test Guideline 202

21 d : NOEC Daphnia magna (Water flea) 30 mg/l

Environmental Fate

D-limonene

Biodegradability : OECD Test Guideline 301D
Readily biodegradable.Bioaccumulation : Bioconcentration factor (BCF) : 864.8
Bioaccumulation is unlikely.

Propan-2-ol

Biodegradability : Readily biodegradable.

Bioaccumulation : Bioaccumulation is unlikely.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

DOT UN number : 3295

Proper shipping name : HYDROCARBONS, LIQUID, N.O.S.

Class : 3

Packing group : III

Labelling No. : 3

TDG_ROAD UN number : 3295

Proper shipping name : HYDROCARBONS, LIQUID, N.O.S.

Class : 3

Packing group : III

Labelling No. : 3

MXDG UN number : 3295

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TDG_RAIL	Proper shipping name	: HYDROCARBONS, LIQUID, N.O.S.
	Class	: 3
	Packing group	: III
	Labelling No.	: 3
	UN number	: 3295
IATA_C	Proper shipping name	: HYDROCARBONS, LIQUID, N.O.S.
	Class	: 3
	Packing group	: III
	Labelling No.	: 3
	UN number	: 3295
IMDG	Proper shipping name	: HYDROCARBONS, LIQUID, N.O.S.
	Class	: 3
	Packing group	: III
	Labelling No.	: 3
	UN number	: 3295
	Proper shipping name	: HYDROCARBONS, LIQUID, N.O.S.
	Class	: 3
	Packing group	: III
	Labelling No.	: 3

SECTION 15. REGULATORY INFORMATION

TSCA	: Listed
SARA 313 Regulated Chemical(s)	: Propan-2-ol
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): Propan-2-ol , Calcium Carbonate
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

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identified as carcinogens, mutagens or teratogens): Propan-2-ol , D-limonene

SECTION 16. OTHER INFORMATION

HMIS

Health	:	2
Flammability	:	2
Reactivity/Physical hazard	:	0

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

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