



**DuPont™ StoneTech® Professional Advanced Grout Sealer (Aerosol)**

Version 2.0

Revision Date 03/13/2012

Ref. 130000102984

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 Advanced Grout Sealer (Aerosol)
MSDS Number	:	130000102984
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**

Emergency Overview

Inhalation of aerosol or fine spray mist may cause serious respiratory problems.

Potential Health Effects

Skin	:	May cause skin irritation. May cause:, Discomfort, itching, redness, or swelling., Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering., Contact with liquid or refrigerated gas can cause cold burns and frostbite..
Eyes	:	May cause eye irritation. May cause:, Tearing, redness, or discomfort., Contact with liquid or refrigerated gas can cause cold burns and frostbite..

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- Inhalation** : Causes respiratory tract irritation. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness., Misuse or intentional inhalation abuse may cause death without warning symptoms, due to cardiac effects., Other symptoms potentially related to misuse or inhalation abuse are:, Anaesthetic effects, Blisters, Light-headedness, dizziness, confusion, incoordination, drowsiness, or unconsciousness, irregular heartbeat with a strange sensation in the chest, heart thumping, apprehension, feeling of fainting, dizziness or weakness, Irritating to respiratory system., May cause:, Cough, sneezing, runny nose, sore throat, or shortness of breath..  
Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. May cause:, Central nervous system depression with dizziness, confusion, incoordination, drowsiness, or unconsciousness..
- 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, Effects due to ingestion may include:, narcosis.
- Repeated exposure** : Central nervous system effects, Altered behaviour, Kidney effects, Respiratory tract irritation, Liver effects  
Adverse effects from repeated ingestion may include:, Kidney effects
- Target Organs** : Respiratory Tract, Central nervous system, Liver, Kidney, Stomach
- 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.

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

Component	CAS-No.	Concentration
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	64742-48-9	60 - 90 %
Butane	106-97-8	10 - 20 %

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Propane	74-98-6	10 - 20 %
n-Butyl acetate	123-86-4	1 - 5 %
Partially Fluorinated Acrylic Copolymer		<2 %

**SECTION 4. FIRST AID MEASURES**

- Skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
- Eye contact : Immediately flush eyes for at least 15 minutes. Get medical attention.
- 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.

**SECTION 5. FIREFIGHTING MEASURES**

- Flammable Properties
- Flash point : < -18 °C (0 °F)
- Lower explosion limit : 1.8 vol%
- Upper explosion limit : 9.5 vol%  
(Butane)
- Fire and Explosion Hazard : Flammable liquid

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Fire or intense heat may cause violent rupture of packages. Hazardous decomposition products formed under fire conditions. Hazardous combustion products Hydrogen fluoride Carbon dioxide (CO<sub>2</sub>) Carbon monoxide Other hazardous decomposition products may be formed.

Suitable extinguishing media : Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

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.

**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 : Remove all sources of ignition. Use only non-sparking tools. 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) : Do not use sparking tools. Do not breathe vapours or spray mist. 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) : Vapours may form explosive mixtures with air. Keep away from open flames, hot surfaces and sources of ignition. To avoid thermal decomposition, do not overheat. Thermal decomposition can lead to release of irritating gases and vapours. Closed containers exposed to extreme heat can rupture due to pressure build-up.

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Storage : Keep containers tightly closed in a cool, well-ventilated place. Store in accordance with National Fire Protection Association recommendations. Avoid excessive heat. Overheating may cause container to rupture.

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

Engineering controls : Use of non-sparking and explosion-proof equipment may be necessary depending on type of operation. Use only in area provided with appropriate exhaust ventilation. Use appropriate workplace ventilation to remove fumes that may be released on heating.

## 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

Butane				
PEL:	(OSHA)	800 ppm	1,900 mg/m3	8 hr. TWA
TLV	(ACGIH)	1,000 ppm	TWA	
Propane				
PEL:	(OSHA)	1,000 ppm	1,800 mg/m3	8 hr. TWA
TLV	(ACGIH)	1,000 ppm	TWA	
n-Butyl acetate				
PEL:	(OSHA)	150 ppm	710 mg/m3	8 hr. TWA
TLV	(ACGIH)	150 ppm	TWA	

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TLV (ACGIH) 200 ppm STEL

\* 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	: compressed liquefied gas
Color	: yellow
Odor	: woody
Melting point	: Not available for this mixture.
Boiling point	: Not available for this mixture.
% Volatile	: > 98 %
Density	: 0.968 g/cm <sup>3</sup>
Water solubility	: insoluble

**SECTION 10. STABILITY AND REACTIVITY**

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

**SECTION 11. TOXICOLOGICAL INFORMATION**

Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)  
Dermal LD50 : > 3,200 mg/kg , rabbit

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

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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 sensitization on laboratory animals., guinea pig

Repeated dose toxicity :  
humanTarget 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.

## Butane

Dermal : not applicable

Oral : not applicable

Inhalation 4 h LC50 : 277018 ppm , rat  
Target Organs: Respiratory Tract, Central nervous system  
Irritating to respiratory system.  
Central nervous system depression  
narcosisInhalation Low Observed  
Adverse Effect  
Concentration (LOAEC) : 150000 ppm , dog  
Cardiac sensitization


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Skin irritation	:	No skin irritation, Not tested on animals Not expected to cause skin irritation based on expert review of the properties of the substance.
Eye irritation	:	No eye irritation, Not tested on animals Not expected to cause eye irritation based on expert review of the properties of the substance.
Skin sensitization	:	Not tested on animals There are no reports of human skin sensitization. Not expected to cause sensitization based on expert review of the properties of the substance.
Repeated dose toxicity	:	Inhalation multiple species  No toxicologically significant effects were found.
Mutagenicity	:	Did not cause genetic damage in animals. Did not cause genetic damage in cultured bacterial cells.
Further information	:	Cardiac sensitisation threshold limit : 356294 mg/m3

## Propane

Dermal	:	not applicable
Oral	:	not applicable
Inhalation 4 h LC50	:	> 200000 ppm , rat
Inhalation Low Observed Adverse Effect Concentration (LOAEC)	:	100000 ppm , dog Cardiac sensitization
Skin irritation	:	not applicable
Eye irritation	:	not applicable
Skin sensitization	:	not applicable
Repeated dose toxicity	:	Inhalation rat  No toxicologically significant effects were found.



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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 no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

Further information : Cardiac sensitisation threshold limit : 180369 mg/m3

**n-Butyl acetate**

Dermal LD50 : > 17,652 mg/kg , rabbit

Oral LD50 : 14,130 mg/kg , rat

Oral : rabbit  
narcosis

Inhalation 4 h LC50 : 44 mg/l , rat  
Target Organs: Central nervous system  
narcosis

Inhalation : mouse  
Altered behaviour

Skin irritation : Mild skin irritation, rabbit

Eye irritation : Mild eye irritation, rabbit

Skin sensitization : human  
Not a skin sensitizer.

Repeated dose toxicity : Oral  
rat  
  
Kidney damage  
  
Inhalation  
rat  
  
Respiratory tract irritation, Reduced body weight gain

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Inhalation  
rabbit

Increased liver enzyme levels in serum

- Mutagenicity : Evidence suggests this substance does not cause genetic damage in animals.
- Reproductive toxicity : No toxicity to reproduction
- Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

## Partially Fluorinated Acrylic Copolymer

- Oral LD50 : > 5,000 mg/kg , rat
- Inhalation 4 h ALC -  
Approximate Lethal  
Concentration : 2.1 mg/l , rat
- Skin irritation : No skin irritation, rabbit
- Eye irritation : slight irritation, rabbit
- Skin sensitization : Animal test did not cause sensitization by skin contact., mouse
- Mutagenicity : Did not cause genetic damage in cultured bacterial cells.

**SECTION 12. ECOLOGICAL INFORMATION**

## Aquatic Toxicity

Naphtha (petroleum), hydrotreated heavy (&lt;0.1% benzene)

96 h LC50 : Pimephales promelas (fathead minnow) &gt; 2,200 mg/l

Butane

96 h LC50 : Fish (unspecified species) &gt; 1,000 mg/l

Propane

96 h LC50 : Fish 24.11 mg/l

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72 h EC50 : Algae 7.71 mg/l

48 h EC50 : Daphnia 14.22 mg/l

n-Butyl acetate

96 h LC50 : Pimephales promelas (fathead minnow) 19 mg/l

Partially Fluorinated Acrylic Copolymer

48 h EC50 : Daphnia magna (Water flea) 37.9 mg/l

**Environmental Fate**

Butane

Biodegradability : 100 %  
Readily biodegradable.

Propane

Biodegradability : Readily biodegradable.

Partially Fluorinated Acrylic Copolymer

Biodegradability : Not readily biodegradable.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : In accordance with local and national regulations. Do not puncture. Do not incinerate.

**SECTION 14. TRANSPORT INFORMATION**

DOT UN number : 1950

Proper shipping name : Aerosols

Class : 2.1

Labelling No. : 2.1

IATA\_C UN number : 1950

Proper shipping name : Aerosols, flammable

Class : 2.1

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IMDG	Labelling No.	: 2.1
	UN number	: 1950
	Proper shipping name	: Aerosols
	Class	: 2.1
	Labelling No.	: 2.1

DOT - ships as Consumer Commodity; IATA\_C - ships as ID8000, Consumer Commodity.

**SECTION 15. REGULATORY INFORMATION**

TSCA : Listed  
This material contains one or more substances which are subject to a TSCA Section 5 Consent Order or Significant New Use Rule (SNUR).  
This material contains one or more substances which requires export notification under TSCA Section 12(b) and 40 CFR Part 707 Subpart D:

: Partially Fluorinated Acrylic Copolymer  
PMN Number: P-08-0643

Contact your local DuPont sales or technical representative for more information.

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.

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): Butane , Propane , n-Butyl acetate

NJ Right to Know : Substances on the New Jersey Workplace Hazardous Substance List

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Regulated Chemical(s) present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Butane , Propane , n-Butyl acetate

**SECTION 16. OTHER INFORMATION**

## HMIS

Health	:	2
Flammability	:	4
Reactivity/Physical hazard	:	1
PPE	:	Personal Protection rating to be supplied by user depending on use conditions.

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

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