

**DuPont™ StoneTech® Professional Impregnator Pro® Sealer**

Version 2.0

Revision Date 03/22/2012

Ref. 130000102982

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 Impregnator Pro® Sealer
MSDS Number : 130000102982

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 decomposition products in high concentration may cause shortness of breath (lung oedema).
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..

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

Inhalation : Inhalation of aerosol or fine spray mist may cause serious respiratory problems. Inhalation of decomposition products in high concentration may cause shortness of breath (lung oedema)., Causes respiratory tract irritation., Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness..


DuPont™ StoneTech® Professional Impregnator Pro® Sealer

Version 2.0

Revision Date 03/22/2012

Ref. 130000102982

- 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, Other effects may include:, narcosis.
- Repeated exposure : Adverse effects from repeated inhalation may include:, Central nervous system effects, Altered behaviour, Kidney effects, Liver effects, Respiratory tract irritation
Adverse effects from repeated ingestion may include:, Kidney effects
- Target Organs : Liver, Kidney, Respiratory Tract, Stomach, Central nervous system
- 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	90 - 98 %
n-Butyl acetate	123-86-4	1 - 5 %
Partially Fluorinated Acrylic Copolymer		1 - 5 %

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.

**DuPont™ StoneTech® Professional Impregnator Pro® Sealer**

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Revision Date 03/22/2012

Ref. 130000102982

- 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 : 52 °C (126 °F) closed cup

Fire and Explosion Hazard : Combustible

Hazardous decomposition products formed under fire conditions. Hazardous combustion products Hydrogen fluoride Carbon dioxide (CO₂) Carbon monoxide Other hazardous decomposition products may be formed.

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.

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.



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Ref. 130000102982

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. Ground containers when transferring material. Avoid formation of respirable particles. 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.
- Storage : Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with National Fire Protection Association recommendations.

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. Use an airless flow type of spray applicator. Keep spraying pressure below 60 psi.
- 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.

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Version 2.0

Revision Date 03/22/2012

Ref. 130000102982

Skin and body protection : Lightweight protective clothing

Exposure Guidelines
Exposure Limit Values

n-Butyl acetate				
PEL:	(OSHA)	150 ppm	710 mg/m3	8 hr. TWA
TLV	(ACGIH)	150 ppm	TWA	
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	: liquid
Color	: colourless
Odor	: mild, hydrocarbon-like
Boiling point	: 171 °C (340 °F)
% Volatile	: > 95 %
Specific gravity	: 0.8 at 25 °C (77 °F)
Water solubility	: negligible

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, Hydrogen fluoride Other hazardous decomposition products may be formed.

**DuPont™ StoneTech® Professional Impregnator Pro® Sealer**

Version 2.0

Revision Date 03/22/2012

Ref. 130000102982

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 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.

n-Butyl acetate

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

Oral LD50 : 14,130 mg/kg , rat

**DuPont™ StoneTech® Professional Impregnator Pro® Sealer**

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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 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

**DuPont™ StoneTech® Professional Impregnator Pro® Sealer**

Version 2.0

Revision Date 03/22/2012

Ref. 130000102982

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 (<0.1% benzene)

96 h LC50 : Pimephales promelas (fathead minnow) > 2,200 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

Partially Fluorinated Acrylic Copolymer

Biodegradability : Not readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION


DuPont™ StoneTech® Professional Impregnator Pro® Sealer

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Ref. 130000102982

DOT	UN number	: 3295
	Proper shipping name	: Hydrocarbons, liquid, n.o.s.
	Class	: 3
	Packing group	: III
	Labelling No.	: 3
IATA_C	UN number	: 3295
	Proper shipping name	: Hydrocarbons, liquid, n.o.s.
	Class	: 3
	Packing group	: III
	Labelling No.	: 3
IMDG	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
 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


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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 : Substances on the Pennsylvania Hazardous Substances List present at
Regulated Chemical(s) a concentration of 1% or more (0.01% for Special Hazardous Substances): n-Butyl acetate

NJ Right to Know : Substances on the New Jersey Workplace Hazardous Substance List
Regulated Chemical(s) present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): n-Butyl acetate

SECTION 16. OTHER INFORMATION
HMIS

Health	:	2
Flammability	:	2
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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