Material Safety Data Sheet

DuPont™ StoneTech® Professional Revitalizer® Cleaner & Protector RTU

Version 3.0

Revision Date 02/13/2013 Ref. 150000003514

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 Revitalizer® Cleaner & Protector RTU
Product Grade/Type	:	Revitalizer® Cleaner & Protector RTU - Cucumber Scent Revitalizer® Cleaner & Protector RTU - Citrus Scent
MSDS Number	:	150000003514
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.
Eyes	:	May cause eye irritation.
Inhalation		
Propan-2-ol	:	May cause: Central nervous system depression with dizziness, confusion, incoordination, drowsiness, or unconsciousness.
Fluorinated Acrylic Copolymer	:	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.
Ingestion		
1-Butoxy-2-propanol	:	Aspiration hazard if swallowed - can enter lungs and cause damage.

Fluorinated Acrylic Copolymer	:	May cause: Kidney effects, altered blood chemistry, Nasal irritation, inflammation with redness, tenderness or swelling.
Repeated exposure	:	Adverse effects from repeated inhalation may include:, Central nervous system depression, lung effects, Liver effects, Kidney effects, Spleen effects
Target Organ	:	Respiratory Tract, 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
Water	7732-18-5	>96%
Propan-2-ol	67-63-0	<2 %
1-Butoxy-2-propanol	5131-66-8	<2 %
Fluorinated Acrylic Copolymer		<2 %

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.
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	:	62 °C (144 °F) closed cup
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	:	Combustible Hazardous decomposition products formed under fire conditions.
Hazardous combustion products	:	Carbon monoxide, Carbon dioxide
Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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	:	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 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

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	

Biological Exposure Indices

Propan-2-ol		
BEI	(ACGIH)	40 mg/l Acetone/Urine Sampling time: End of shift at end of work week.

* 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
Odor	:	sweet
pH	:	5.5 - 6.5
Boiling point	:	100 °C (212 °F) at 760 mm Hg
% Volatile	:	90 - 99 %
Specific gravity	:	1.02

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

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.
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.

1-Butoxy-2-propanol

Dermal LD50	:	> 2,000 mg/kg , rabbit
Oral LD50	:	3,300 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	:	Skin irritation, rabbit
Eye irritation	:	Moderate eye irritation, rabbit
Skin sensitization	:	Animal test did not cause sensitization by skin contact., guinea pig
Repeated dose toxicity	:	Inhalation rat No toxicologically significant effects were found. Dermal multiple species Skin irritation, No toxicologically significant effects were found. Oral - drinking water rat No toxicologically significant effects were found.
Mutagenicity	:	Evidence suggests this substance does not cause genetic damage in animals. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Reproductive toxicity	:	Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.
Teratogenicity	:	Evidence suggests the substance is not a developmental toxin in animals.

Fluorinated Acrylic Copolymer

Oral LD50	:	> 5,000 mg/kg , rat (Data on the product itself)
Inhalation 4 h Acute toxicity estimate	:	1.5 mg/l , rat Dust (Data on the product itself)
Skin irritation	:	No skin irritation, rabbit (Data on the product itself)
Eye irritation	:	slight irritation, rabbit (Data on the product itself)
Skin sensitization	:	Did not cause sensitisation on laboratory animals., mouse (Data on the product itself)
Repeated dose toxicity	:	Oral - gavage rat Abnormal increase in white blood cells, nasal effects, Kidney effects, Increased kidney weight
Mutagenicity	:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Reproductive toxicity	:	No toxicity to reproduction
Teratogenicity	:	Animal testing showed no developmental toxicity.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

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

21 d	:	NOEC Daphnia magna (Water flea) 30 mg/l
1-Butoxy-2-propanol		
96 h LC50	:	Poecilia reticulata (guppy) > 500 mg/l
	:	
48 h LC50	:	Daphnia magna (Water flea) > 1,000 mg/l
Fluorinated Acrylic Copolymer		
48 h EC50	:	Daphnia magna (Water flea) > 120 mg/l (Data on the product itself)

Environmental Fate

Propan-2-ol		
Biodegradability	:	Readily biodegradable.
Bioaccumulation	:	Bioaccumulation is unlikely.
1-Butoxy-2-propanol		
Biodegradability	:	Readily biodegradable.
Bioaccumulation	:	This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
Fluorinated Acrylic Copolymer		
Biodegradability	:	No data is available on the product itself.

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.

For DOT/49CFR only, when shipping in packagings with a capacity of > 450 liters (119 gallons), use: NA1993, Combustible Liquid, N.O.S. (Isopropanol, 1-Butoxy-2-Propanol), PG III

SECTION 15. REGULATORY INFORMATION

TSCA Status	:	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: Fluorinated Acrylic Copolymer PMN Number: P-08-751 Contact your local DuPont sales or technical representative for more information.
SARA 313 Regulated Chemical(s)	:	Propan-2-ol
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): Propan-2-ol
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 identified as carcinogens, mutagens or teratogens): Propan-2-ol

SECTION 16. OTHER INFORMATION

Contact person	:	MSDS Coordinator, DuPont Chemicals and Fluoroproducts, Wilmington, DE

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19898, (800) 441-7515

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