

**DuPont™ StoneTech® Professional Revitalizer® Cleaner & Protector RTU**

Version 2.0

Revision Date 09/02/2010

Ref. 150000003471

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 : 150000003471

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 respiratory tract irritation. Inhalation of high vapour concentrations can cause CNS-depression and narcosis.

Ingestion : Aspiration hazard if swallowed - can enter lungs and cause damage.

Repeated exposure

Propan-2-ol : Adverse effects from repeated exposure may include: Central nervous system depression lung effects Liver effects Kidney effects Spleen effects

Target Organs

Propan-2-ol : Respiratory Tract Central nervous system

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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.

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 % |

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. FIRE-FIGHTING MEASURES

- Flammable Properties
- Flash point : 62 °C (144 °F) closed cup



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- 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. 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.

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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 ppm980 mg/m3 | 8 hr. TWA |
| TLV | (ACGIH) | 200 ppm | TWA |
| TLV | (ACGIH) | 400 ppm | STEL |
| AEL * | (DUPONT) | 200 ppm | 8 & 12 hr. TWA |

* 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
Specific Gravity : 1.02

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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

- Propan-2-ol
- Dermal LD50 : 12,900 mg/kg , rabbit
- Oral LD50 : 4,700 mg/kg , rat
Gastrointestinal effects
Kidney effects
- Inhalation 4 h LC50 : 39.3 mg/l , rat
Respiratory tract damage
Central nervous system depression
- Skin irritation : Mild skin irritation, rabbit
- Eye irritation : Eye irritation, rabbit
- Skin sensitization : There are no reports of human skin sensitization.
- Repeated dose toxicity : Inhalation
Central nervous system effects, Liver effects, Kidney effects, lung effects, Spleen effects, Testes
- Oral
Liver enlargement, Kidney enlargement, Adrenal effects
- Dermal
Drying of skin, Weight loss, Organ weight changes
- Carcinogenicity : Animal testing did not show any carcinogenic effects.



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| | |
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| Mutagenicity | : Did not show mutagenic effects in animal experiments. Tests on bacterial or mammalian cell cultures did not show mutagenic effects. |
| Reproductive toxicity | : Evidence suggests the substance is not a reproductive toxin in animals. |
| Teratogenicity | : Animal testing showed effects on embryo-foetal 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. |



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| | | |
|-----------------------|---|---|
| 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. |

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Propan-2-ol

| | | |
|-----------|---|---|
| 96 h LC50 | : | Pimephales promelas (fathead minnow) 3,200 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 |
|-----------|---|---|

Environmental Fate

1-Butoxy-2-propanol

| | | |
|------------------|---|------------------------|
| Biodegradability | : | Readily biodegradable. |
|------------------|---|------------------------|

| | | |
|-----------------|---|---|
| Bioaccumulation | : | This substance is not considered to be very persistent nor very bioaccumulating (vPvB). |
|-----------------|---|---|

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



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SECTION 15. REGULATORY INFORMATION

| | |
|--|---|
| SARA 313 Regulated Chemical(s) | : Propan-2-ol |
| CERCLA Reportable Quantity | : 9,948 lbs Based on the percentage composition of this chemical in the product.: 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

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

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Significant change from previous version is denoted with a double bar.

