

**DuPont™ Stainless Steel Cleaner**

Version 2.1

Revision Date 08/11/2011

Ref. 130000103060

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™ Stainless Steel Cleaner  
MSDS Number : 130000103060

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.

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

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

## 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
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**DuPont™ Stainless Steel Cleaner**

Version 2.1

Revision Date 08/11/2011

Ref. 130000103060

Water	7732-18-5	>94%
1-Butoxy-2-propanol	5131-66-8	<2 %
Alkyl polyglycosides		<2 %
Acetic acid	64-19-7	<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. 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
- Thermal decomposition : > 200 °C (> 392 °F)  
To avoid thermal decomposition, do not overheat.  
Thermal decomposition can lead to release of irritating gases and vapours.

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- Fire and Explosion Hazard : The product itself does not burn. Hazardous decomposition products formed under fire conditions. Hazardous combustion products Carbon dioxide (CO<sub>2</sub>) Carbon monoxide Other hazardous decomposition products may be formed.
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Firefighting Instructions : Wear self contained breathing apparatus for fire fighting if necessary. Evacuate personnel to safe areas. 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.



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Ref. 130000103060

### **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

None established.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : liquid  
pH : 3.0  
Density : 1.004 g/ml at 24 °C (75 °F)  
Specific gravity : 1.00 at 24 °C (75 °F)  
Viscosity : similar to water

### **SECTION 10. STABILITY AND REACTIVITY**

Stability : Stable under normal conditions.

Conditions to avoid : To avoid thermal decomposition, do not overheat.

**DuPont™ Stainless Steel Cleaner**

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Revision Date 08/11/2011

Ref. 130000103060

Hazardous decomposition products : Carbon dioxide , Carbon monoxide  
Incompletely burned carbon products  
Other hazardous decomposition products may be formed.

**SECTION 11. TOXICOLOGICAL INFORMATION**

DuPont™ Stainless Steel Cleaner

Skin irritation : No skin irritation, rabbit

Eye irritation : slight irritation, rabbit

1-Butoxy-2-propanol

Dermal LD50 : &gt; 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 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.

**DuPont™ Stainless Steel Cleaner**

Version 2.1

Revision Date 08/11/2011

Ref. 130000103060

	Teratogenicity	:	Evidence suggests the substance is not a developmental toxin in animals.
Acetic acid	Oral LD50	:	600 mg/kg , rabbit
	Inhalation LC50	:	11.4 mg/l , rat
	Repeated dose toxicity	:	Oral Gastrointestinal effects, Abnormal decrease in number of red blood cells, Reduced growth rate
			Inhalation Pathologic changes, Respiratory Tract
	Mutagenicity	:	Evidence suggests this substance does not cause genetic damage in cultured bacterial cells. Tests on mammalian cell cultures showed mutagenic effects.
	Teratogenicity	:	Animal testing showed no developmental toxicity.

**SECTION 12. ECOLOGICAL INFORMATION**

Aquatic Toxicity			
1-Butoxy-2-propanol	96 h LC50	:	Poecilia reticulata (guppy) > 500 mg/l
	48 h LC50	:	Daphnia magna (Water flea) > 1,000 mg/l
Alkyl polyglycosides	72 h EC50	:	Algae 21 mg/l
	48 h EC50	:	Daphnia magna (Water flea) 20 mg/l
Environmental Fate			
1-Butoxy-2-propanol	Biodegradability	:	Readily biodegradable.
	Bioaccumulation	:	This substance is not considered to be very persistent nor very



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Revision Date 08/11/2011

Ref. 130000103060

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.

### **SECTION 15. REGULATORY INFORMATION**

TSCA Status : On the inventory, or in compliance with the inventory

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

### **SECTION 16. OTHER INFORMATION**

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at



**DuPont™ Stainless Steel Cleaner**

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