



## DuPont™ OxiEdge™ XL

Version 2.0

Revision Date 08/31/2009

Ref. 130000036258

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™ OxiEdge™ XL  
 Tradename/Synonym : DuPont™ OxiEdge™ XL Chlorinated Low-foaming Cleaner

MSDS Number : 130000036258  
 Product Use : Cleaning agent

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: Irritation with discomfort or rash., Burns, Ulceration.

Eyes : May cause: Severe eye irritation, Other effects may include:, Burns, corneal or conjunctival ulceration, clouding of the eye, Corrosion, Blindness.

Inhalation : May cause respiratory tract irritation. coughing discomfort

Ingestion : May cause: Corrosion, Gastrointestinal tract, Other effects may include:, Abdominal discomfort, Nausea, Pain, bleeding, Vomiting, Diarrhoea, Symptoms may be delayed..

#### Target Organs

Sodium hypochlorite : Respiratory Tract Mucous membranes

#### 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	>=85%
Sodium hydroxide	1310-73-2	7 - 13 %
Sodium hypochlorite	7681-52-9	1 - 5 %



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**SECTION 4. FIRST AID MEASURES**

- Skin contact : In case of contact, immediately flush skin with plenty of water. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Consult a physician if necessary.
- Eye contact : Rinse immediately with plenty of water and seek medical advice.
- Inhalation : Move to fresh air. Consult a physician if necessary.
- Ingestion : Call a poison control centre or doctor for treatment advice. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Flammable Properties
- Flash point : closed cup  
does not flash
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Firefighting Instructions : Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment. Evacuate personnel to safe areas.

**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) : Wear suitable protective equipment. Wear respiratory protection.
  - Spill Cleanup : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
  - Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas.

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Avoid inhalation, ingestion and contact with skin and eyes. Do not get on clothing. Wash off with plenty of water. Wash clothing after use. Do not breathe vapours or spray mist. When using do not eat, drink or smoke.


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Storage : Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Keep container closed when not in use. Avoid excessive heat.

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

Engineering controls : Ensure adequate ventilation.

**Personal protective equipment**

Respiratory protection : Provide adequate ventilation. Wear NIOSH approved respiratory protection as appropriate.

Hand protection : Material: Impervious gloves

Eye protection : Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of material.

Skin and body protection : Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots.

**Exposure Guidelines**
**Exposure Limit Values**
**Sodium hydroxide**

PEL (Permissible Exposure Limit)	(OSHA)	2 mg/m3	8 hr. TWA
PEL (Permissible Exposure Limit)	(OSHA)	2 mg/m3	Ceiling
TLV	(ACGIH)	2 mg/m3	
AEL *	(DUPONT)	2 mg/m3	15 minute 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  
 Color : colourless, light yellow  
 Odor : Chlorine  
 pH : 13.5 - 14.5  
 Freezing point : 0 °C (32 °F)  
 Boiling point : 102 °C (216 °F)  
 % Volatile : 80 - 82 %  
 Density : 9.01 - 10.01 lb/gal  
 Density : 1.08 - 1.20 g/ml  
 Specific Gravity : 1.14  
 (Water=1.0)  
 Water solubility : completely soluble 100%

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**SECTION 10. STABILITY AND REACTIVITY**

- Conditions to avoid : Stable at normal temperatures and storage conditions. Decomposes on heating.
- Incompatibility : Reducing agents Mineral acids Ammonia
- Hazardous decomposition products : Decomposition does not occur under normal use conditions.
- Hazardous reactions : Polymerization will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

- Sodium hydroxide
- Oral ALD : 500 mg/kg, rat
- Oral LD50 : 325 mg/kg, rabbit
- Inhalation 2 h LC50 : 5,750 mg/l, rat  
Information given is based on data obtained from similar substances.
- Skin irritation : Species: animals (unspecified species)  
Corrosive
- Eye irritation : Species: rabbit  
Corrosive
- Skin sensitization : Species: human  
Patch test on human volunteers did not demonstrate sensitization properties.
- Repeated dose toxicity : Inhalation  
Respiratory irritation
- Oral - drinking water  
Reduced growth rate
- Mutagenicity : Evidence suggests this substance does not cause genetic damage in animals., Evidence suggests this substance does not cause genetic damage in cultured bacterial cells.
- Sodium hypochlorite
- Dermal LD50 : > 10,000 mg/kg, rabbit
- Oral LD50 : 8,910 mg/kg, rat


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Inhalation 4 h LC50	:	ca. 0.6 mg/l, rat Lung damage Fluid retention in lungs (pulmonary oedema)
Skin irritation	:	Species: rabbit Corrosive
Eye irritation	:	Species: rabbit Corrosive
Skin sensitization	:	Species: human Causes sensitization.
Repeated dose toxicity	:	Inhalation, human There are reports of human respiratory sensitization.
Mutagenicity	:	Caused genetic damage in cultured mammalian cells., Experiments showed mutagenic effects in cultured bacterial cells.
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.

**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**
**Sodium hydroxide**

24 h LC50 : Fish (unspecified species) 35 - 189 mg/l

48 h LC50 : Daphnia 33 - 450 mg/l

**Sodium hypochlorite**

96 h LC50 : Fish (unspecified species) 0.065 mg/l

48 h LC50 : Daphnia magna (Water flea) 0.032 mg/l

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : In accordance with local and national regulations. Do not flush into surface water or sanitary sewer system. Do not contaminate water, food or feed by disposal.

**SECTION 14. TRANSPORT INFORMATION**



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DOT	UN-Number	: 1760
	Proper shipping name	: Corrosive liquids, n.o.s. (Sodium hydroxide, Sodium hypochlorite)
	Class	: 8
	Packaging group	: II
	Labelling No.	: 8
IATA_C	Reportable Quantity	: 100 lbs (Sodium hypochlorite)
	UN-Number	: 1760
	Proper shipping name	: Corrosive liquid, n.o.s. (Sodium hydroxide, Sodium hypochlorite)
	Class	: 8
	Packaging group	: II
	Labelling No.	: 8
IMDG	UN-Number	: 1760
	Proper shipping name	: Corrosive liquid, n.o.s. (Sodium hydroxide, Sodium hypochlorite)
	Class	: 8
	Packaging group	: II
	Labelling No.	: 8

**SECTION 15. REGULATORY INFORMATION**

TSCA Status	: Listed.
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.
CERCLA Reportable Quantity	: 4,143 lbs Based on the percentage composition of this chemical in the product.: Sodium hypochlorite
California Prop. 65	: Chemicals known to 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): Sodium hydroxide, Sodium hypochlorite
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): Sodium hydroxide

**SECTION 16. OTHER INFORMATION**

Health	:	HMIS 2
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# Material Safety Data Sheet



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Flammability : 0

Reactivity/Physical hazard : 0

PPE : Personal Protection rating to be supplied by user depending on use conditions.

MSDS preparation date : 08/31/2009

MSDS preparation date

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Do not use for medical-clinical purposes.

Contact person : MSDS Coordinator, DuPont Chemical Solutions Enterprise, Wilmington, DE 19898, (800) 441-7515

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