



REVOFLOW OXI (CLAX) 4XP3

HMIS		NFPA	Personal protective equipment
Health	3	3	
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 0

Preparation date: 2010-04-23

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: REVOFLOW OXI (CLAX) 4XP3

MSDS #: MS0300728

Product Code: 7517887

Recommended use: Laundry care.

Manufacturer, importer, supplier:

US Headquarters
 Diversey, Inc.
 8310 16th St.
 Sturtevant, Wisconsin 53177-1964
 Phone: 1-888-352-2249
 MSDS Internet Address: www.diversey.com

Canadian Headquarters
 Diversey, Inc. - Canada, Inc.
 2401 Bristol Circle
 Oakville, Ontario L6H 6P1
 Phone: 1-800-668-3131

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CORROSIVE TO EYES. DANGER. HARMFUL OR FATAL IF SWALLOWED. OXIDIZER . CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE . CAUSES EYE BURNS. MAY BE MILDLY IRRITATING TO SKIN.

Principal routes of exposure: Skin contact. Inhalation. Eye contact.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Skin contact: May be mildly irritating to skin.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Sodium perborate	10332-33-9	20 - 30%	780	Not available	Not available
Sodium percarbonate	15630-89-4	5 - 10%	1034	Not available	Not available
Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylene)bis(benzenesulphonate)	27344-41-8	0.1 - 1.5%	2000	2500 mg/kg	3.6 mg/L (4 h)
Sodium carbonate	497-19-8	20 - 30%	4090	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.
Skin contact: Immediately flush with plenty of water. Get medical attention.
Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.
Ingestion: Never give anything by mouth to an unconscious person. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. If swallowed, rinse mouth. Give a cupful of water or milk .

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam.
Specific hazards: Decomposition releases oxygen, which may intensify fire .
Unusual hazards: None known
Specific methods: No special methods required.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment
Environmental precautions and clean-up methods: Use a water rinse for final clean-up. Using clean equipment, sweep and scoop all spilled material, contaminated soil, and other spilled material and place into clean, dry, plastic containers for disposal . Use clean, dry utensils . Do not re-seal contaminated containers.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. OXIDIZER . CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE . Avoid dust formation. Avoid breathing dust . FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Protect from freezing. KEEP OUT OF REACH OF CHILDREN. Store in a cool, dry place out of direct sunlight. Do not tightly stack or store with incompatible materials such as combustible, oxidizable or acidic substances. Immediately dispose of wet or damaged packages or pallets.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection: Chemical-splash goggles.
Hand protection: Chemical-resistant gloves
Skin and body protection: If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder	Bulk density: 0.9
Appearance: Powder	Evaporation Rate: No information available
Specific gravity: No information available	Color: Light White Opaque
Vapor density: No information available	Odor: Characteristic
Boiling point/range: Not determined	Melting point/range: Not determined
Decomposition temperature: Not determined	Autoignition temperature: No information available
Solubility: Completely Soluble	Density: No information available. lbs/gal
Solubility in other solvents: No information available	Flash point: NA
Partition coefficient (n-octanol/water): No information available	Viscosity: No information available
Elemental Phosphorus: 0 % by wt.	VOC: 0 % *
pH: NA	Dilution pH: 9.5 - 10.0 @ 1%
Explosion limits: - upper: Not determined - lower: Not determined	

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability:	The product is stable
Polymerization:	Hazardous polymerization does not occur
Hazardous decomposition products:	None reasonably foreseeable.
Materials to avoid:	Organic materials. Reducing agents.
Conditions to avoid:	Do not get water inside container.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50 estimated to be > 2000 mg/kg Oral Dermal LD50 estimated to be between 500 - 2000 mg/kg
Component Information:	See Section 3
Chronic toxicity:	None known
Specific effects	
Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	None known
Target organ effects:	None known

12. ECOLOGICAL INFORMATION

Environmental Information:	No data available
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13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:
Dispose of in compliance with all Federal, state, provincial, and local laws and regulations.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Please refer to the Diversey HazMat Library, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

DOT Bill of Lading Description: CLEANING, SCOURING, OR WASHING COMPOUNDS, OTHER THAN LIQUID

IMDG Bill of Lading Description: CLEANING, SCOURING, OR WASHING COMPOUNDS, OTHER THAN LIQUID

15. REGULATORY INFORMATION

International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Sodium perborate	10332-33-9	-	-	-	-
Tetraacetyl ethylene diamine	10543-57-4	-	-	-	-
Sodium bicarbonate	144-55-8	-	-	-	-
Sodium percarbonate	15630-89-4	-	-	-	-
Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldiviny ne)bis(benzenesulphonate)	27344-41-8	-	-	-	-
Sodium carbonate	497-19-8	-	-	-	-
Sodium sulfate	7757-82-6	X	-	X	-

CERCLA/ SARA

None

CAA HAP/CAA ODS/CWA Priority Pollutants: None

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SARA 311/312 Hazard Categories

Immediate: x
Delayed: -
Fire: -
Reactivity: -
Sudden Release of Pressure: -

Canada

WHMIS hazard class: C Oxidizing materials , D2B Toxic materials.



16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

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