



**REVOFLOW PRO 0-P 3XP2 (CLAX)**

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

Version Number: 0

Preparation date: 2010-08-18

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** REVOFLOW PRO 0-P 3XP2 (CLAX)  
**MSDS #:** MS0300743  
**Product Code:** 7517643  
**Recommended use:** Laundry care. This product is intended to be diluted prior to use.

**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**

DANGER. CORROSIVE TO EYES. CAUSES EYE BURNS. MAY BE MILDLY IRRITATING TO SKIN. HARMFUL OR FATAL IF SWALLOWED. Contains enzymes which may produce respiratory allergy if inhaled in spray or dust.

**Principal routes of exposure:** Eye contact. Skin contact. Inhalation.  
**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. Contains enzymes which may produce respiratory allergy if inhaled in spray or dust.  
**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
Titanium dioxide	13463-67-7	0.1 - 1.5%	10000	Not available	Not available
Sodium percarbonate	15630-89-4	10 - 20%	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	10 - 20%	4090	Not available	Not available
Alcohol ethoxylate	68002-97-1	5 - 10%	2750	Not available	Not available
Subtilisin	9014-01-1	0.1 - 1.5%	3700	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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately get medical attention.

**Ingestion:** If swallowed, rinse mouth. Give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**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:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:** Enzyme - dust and aerosols may cause allergic respiratory reaction.

**Unusual hazards:** Oxidizer. Decomposition releases oxygen, which may intensify fire.

**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:** Wear suitable protective clothing. Ensure adequate ventilation. In case of an incident in a confined area wear suitable respiratory protection. Avoid stepping on or crushing product on the ground which may create dust. Cover skin, eyes, and respiratory passages.

**Environmental precautions and clean-up methods:** Remove immediately by using vacuum with filter or mopping or washing. Sweeping, blowing, splashing, or high-pressure flushing should be avoided as this creates dust or aerosols. Remove and wash contaminated clothing.

## 7. HANDLING AND STORAGE

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

**Storage:** Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

## 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

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Titanium dioxide	13463-67-7	10 mg/m <sup>3</sup> (TWA)	15 mg/m <sup>3</sup> (TWA)	20 mg/m <sup>3</sup> (STEL) 10 mg/m <sup>3</sup> (TWA)
Subtilisin	9014-01-1	0.00006 mg/m <sup>3</sup> (Ceiling)		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Powder

**Appearance:** Powder

**Specific gravity:** No information available

**Vapor density:** No information available

**Boiling point/range:** Not determined

**Bulk density:** 0.85

**Evaporation Rate:** No information available

**Color:** Opaque White

**Odor:** Slightly perfumed

**Melting point/range:** Not determined

**Decomposition temperature:** Not determined  
**Solubility:** Completely Soluble  
**Solubility in other solvents:** No information available  
**Partition coefficient (n-octanol/water):** No information available  
**Elemental Phosphorus:** 0 % by wt.  
**pH:** NA  
**Explosion limits:** - upper: Not determined - lower: Not determined

**Autoignition temperature:** No information available  
**Density:** No information available.  
**Flash point:** NA  
**Viscosity:** No information available  
**VOC:** 0 % \*  
**Dilution pH:** 10.5 - 11.0 @ 1%

\* - 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.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Oral LD50 estimated to be between 2000 - 3000 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

Ingredient(s)	CAS #	NTP	IARC	OSHA
Titanium dioxide	13463-67-7		2B	X

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**  
 Dispose of according to all federal, state and local applicable regulations

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, <http://naextranet.diverse.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:
Zeolite	1318-02-1	-	-	-	-
Titanium dioxide	13463-67-7	X	X	X	X
Sodium percarbonate	15630-89-4	-	-	-	-

Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinyl- ne)bis(benzenesulphonate)	27344-41-8	-	-	-	-
Sodium carbonate	497-19-8	-	-	-	-
2-propenoic acid, 2,5-furandione polymer, sodium salt	52255-49-9	-	-	-	-
Alcohol ethoxylate	68002-97-1	-	-	-	-
Water	7732-18-5	-	-	-	-
Sodium sulfate	7757-82-6	X	-	X	-
Subtilisin	9014-01-1	-	-	-	-

#### CERCLA/ SARA

#### SARA 311/312 Hazard Categories

**Immediate:** X  
**Delayed:** X  
**Fire:** X  
**Reactivity:** -  
**Sudden Release of Pressure:** -

#### Canada

**WHMIS hazard class:** D2B Toxic materials



### 16. OTHER INFORMATION

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:**

- Contains an added fragrance, see "Odor" heading in section 9 for specific description

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