

# MATERIAL SAFETY DATA SHEET



## DIVOSAN PLUS

HMIS		NFPA	Personal protective equipment		
Health	3	3	  		
Fire Hazard	1	1			
Reactivity	2	2			

Version Number: 3

Preparation date: 2005-11-01

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** DIVOSAN PLUS

**MSDS #:** MS0100399

**Product code:** 4121803, 4121811, 4121820, 4121838, 4121854

**Recommended use:** Sanitizer.

**Manufacturer, importer, supplier:**  
 US Headquarters: JohnsonDiversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-0902 Phone: 1-800-233-1000  
 Canadian Headquarters: JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-7171

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. OXIDIZER . DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS.

**Principle routes of exposure:** Eye contact. Skin contact. Inhalation.

**Eye contact:** Corrosive. Causes permanent eye damage, including blindness.

**Skin contact:** Corrosive. May cause permanent damage. Harmful if absorbed through skin .

**Inhalation:** May cause respiratory tract irritation . Persons with pre-existing respiratory conditions should be particularly careful about possible respiratory effects .

**Ingestion:** Corrosive. Causes burns to mouth, throat and stomach.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Peracetic acid	79-21-0	5 - 10%	1.54 ml/kg (rat)	1.41 mL/kg (rabbit)	450 mg/m <sup>3</sup> (rat)
Hydrogen peroxide	7722-84-1	10 - 20%	376 mg/kg (rat)	500 mg/kg (rabbit)	2 g/m <sup>3</sup> (rat)
Acetic acid	64-19-7	10 - 20%	3310 mg/kg (rat)	1.06 mL/kg (rabbit)	5620 ppm/1H (mouse)

### 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

**Skin contact:** Immediately wash off with plenty of water for at least 15 minutes. Get medical attention immediately.

**Inhalation:** If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

**Ingestion:** Call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor .

**Aggravated Medical Conditions:** Persons with pre-existing respiratory conditions should be particularly careful about possible respiratory effects .

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Flood with water. . Use dry chemical, CO2, water spray or "alcohol" foam.

**Specific hazards:** Oxidizer . 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:** Prevent product from entering drains. Neutralize to a non-oxidizing material for safe disposal . Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:**  
Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. 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:**  
Store in a cool, dry place, isolated from all organic material. Avoid heat and direct sunlight. Keep container closed . Keep this product dry in original tightly closed container when not in use . Storage must only be in original container . Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**  
Use only in well-ventilated areas . In case of insufficient ventilation wear suitable respiratory equipment..

### Personal Protective Equipment

**Eye protection:** Chemical splash goggles.  
**Hand protection:** Chemical resistant gloves Includes neoprene gloves rubber gloves  
**Skin and body protection:** Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.  
**Respiratory protection:** If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure . 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
Hydrogen peroxide	7722-84-1	1 ppm (TWA)	1.4 mg/m <sup>3</sup> 1 ppm	3 mg/m <sup>3</sup> (STEL) 1.5 mg/m <sup>3</sup> (TWA)
Acetic acid	64-19-7	15 ppm (STEL) 10 ppm (TWA)	25 mg/m <sup>3</sup> 10 ppm	37 mg/m <sup>3</sup> (STEL) 25 mg/m <sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid  
**Color:** Clear Colourless  
**Odor:** Vinegar-like  
**Specific gravity:** 1.085 g/cc  
**Dilution pH:** 2.7 (1%)  
**Bulk density:** No information available  
**Vapor density:** No information available  
**Evaporation rate:** No information available  
**Solubility in other solvents:** No information available  
**Viscosity:** No information available  
**Partition coefficient (n-octanol/water):** No information available

**Appearance:** Aqueous solution  
**Boiling point/range:** Not determined  
**Melting point/range:** Not determined  
**pH:** <1  
**Density:** No information available.  
**Decomposition temperature:** Not determined  
**Autoignition temperature:** No information available  
**Solubility:** Soluble  
**VOC:** 22.2%  
**Flash point:** Not applicable

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions..  
**Polymerization:** Hazardous polymerisation does not occur.  
**Hazardous decomposition products:** Oxygen.  
**Materials to avoid:** Do not mix with chlorinated products . Reducing agents . Bases .  
**Conditions to avoid:** Keep away from open flames, hot surfaces and sources of ignition. Do not mix with any other product or chemical . Extremes of temperature and direct sunlight..

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** Corrosive Oral LD50 estimated to be between 500 - 2000 mg/kg Dermal LD50 estimated to be between 400 - 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: When used for its intended purpose this product should not cause adverse effects in the environment

**13. DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products:**

Undiluted product is regulated under environmental and transportation laws as a corrosive waste . Undiluted product is regulated under environmental and transportation laws as an ignitable waste . Dispose of according to all federal, state and local applicable regulations .

RCRA Hazard Class: D002, D001

**14. TRANSPORT INFORMATION**

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

**15. REGULATORY INFORMATION**

**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Japan (ENCS), Philippines (PICCS), China (IECSC).

**U.S. Regulations**

EPA Reg. No. : 70627-53

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

**STATE RIGHT TO KNOW**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRKT:
Peracetic acid	79-21-0	Listed	-	-	-	-	-
Hydrogen peroxide	7722-84-1	Listed	Listed	Listed	Listed	Listed	Listed
Acetic acid	64-19-7	Listed	Listed	Listed	Listed	Listed	Listed
Water	7732-18-5	-	-	-	-	-	-

**CERCLA / SARA**

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Peracetic acid	79-21-0	5 - 10%	100	500	Listed.
Hydrogen peroxide	7722-84-1	10 - 20%		1000	
Acetic acid	64-19-7	10 - 20%	5000		

CAA HAP/CAA ODS/CWA Priority Pollutants: None

**SARA 311/312 Hazard Categories**

Immediate: Y  
Delayed: N  
Fire: Y  
Reactivity: N  
Sudden Release of Pressure: N

**Canada**

WHMIS hazard class: C Oxidizing materials , E Corrosive material .



Ingredient(s)	CAS #	NPRI
Peracetic acid	79-21-0	Listed

**16. OTHER INFORMATION**

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

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