



# Material Safety Data Sheet

Catalog Number: 76670  
Revision Date: 20-Sep-2011

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Catalog Number: 76670

Product Name: 7X® LABORATORY DETERGENT

Synonyms 7X

**Supplier:**

MP Biomedicals, LLC  
29525 Fountain Parkway  
Solon, OH 44139  
tel: 440-337-1200

Emergency Telephone Number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA Exposure Limits:
WATER	7732-18-5	80 - 90%	None	None
Quadrafos	68915-31-1	5 - 10%	None	None
Glycol Ether	112-34-5	5 - 10%	None	None
DIOCTYL SULFOSUCCINATE SODIUM SALT	577-11-7	1 - 5%	None	None

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Irritating to eyes

**Category of Danger:**

Irritant

**Principle routes of exposure:** Skin

**Inhalation:** May cause irritation of respiratory tract

**Ingestion:** May be harmful if swallowed.

**Skin contact:** May cause allergic skin reaction

**Eye contact:** Moderately irritating to the eyes

**ANSI Classification** Irritant - eye, mild

**Statements of hazard** CAUSES EYE IRRITATION.

**Statement of Spill or Leak - ANSI Label** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment.

**Statement of First Aid** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a physician. In case of contact, immediately flush with plenty of water for at least 15 minutes. Call a physician. In case of contact, flush eyes with running water for at least 15 minutes. Consult a physician for irritation or any other symptom.

**Precautions - ANSI Label** Do not breathe vapors or spray mist Avoid contact with eyes Do not taste or swallow.

#### 4. FIRST AID MEASURES

**General advice:** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Inhalation:** If breathed in, move to fresh air. Call a physician immediately.

**Skin contact:** Rinse immediately with plenty of water for at least 15 minutes. Call a physician immediately.

**Ingestion:** • Do not induce vomiting without medical advice.

- Never give anything by mouth to an unconscious person.
- Consult a physician

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Rinse immediately with plenty of water, also under the eyelids. Call a physician immediately. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If symptoms persist, call a physician.

**Protection of first-aiders:** No information available

**Medical conditions aggravated by exposure:** None known

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**

Use dry chemical, CO<sub>2</sub>, water spray or `alcohol` foam.

**Specific hazards:**

Burning produces irritant fumes.

**Unusual hazards:**

None known

**Special protective equipment for firefighters:**

Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire and/or explosion do not breathe fumes.

**Specific methods:**

Water mist may be used to cool closed containers.

**Flash point:**

Not determined

**Ignition temperature:**

Not determined

**NFPA rating:**

NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	0

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment. Remove all sources of ignition.

**Environmental precautions:**

Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:**

Soak up with inert absorbent material.

#### 7. HANDLING AND STORAGE

**Storage**

ROOM TEMPERATURE.

**Handling:**

Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:**

Wear personal protective equipment. Remove and wash contaminated clothing before reuse.

**Technical measures/storage conditions:**

Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible products:**

Oxidizing and spontaneously flammable products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure adequate ventilation, especially in confined areas.

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand protection:** PVC or other plastic material gloves

**Skin and body protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place. Long sleeved clothing

**Eye protection:** If splashes are likely to occur, wear: Goggles Safety glasses with side-shields

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and Odor</b>	Bluish and Hazy
<b>Physical state:</b>	Liquid
<b>Formula:</b>	Not applicable
<b>Melting point/range:</b>	No data available at this time.
<b>Boiling point/range:</b>	No data available at this time.
<b>Density:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Solubility in Water</b>	Soluble
<b>Flash point:</b>	Not determined
<b>Ignition temperature:</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Polymerization:</b>	None under normal processing.
<b>Hazardous decomposition products:</b>	Hazardous decomposition products formed under fire conditions- Carbon dioxide
<b>Materials to avoid:</b>	Strong oxidizing agents
<b>Conditions to avoid:</b>	Exposure to air or moisture over prolonged periods.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Acute toxicity

Components	RTECS Number:	LD50	NIOSH - Health Effects	NIOSH - Target Organs
WATER				
Quadrafos	Not Available	Oral LD50 Rat : 3053 mg/kg		
		Oral LD50 Mouse : 7572 mg/kg		
Glycol Ether	Not Available	Oral LD50 Rat : 5660 mg/kg		
		Oral LD50 Mouse : 2400 mg/kg		
		Dermal LD50 Rabbit : 2700 mg/kg		

## 11. TOXICOLOGICAL INFORMATION

DIOCTYL SULFOSUCCINATE  
SODIUM SALT      WN0525000      Oral LD50 Rat : 1900  
mg/kg  
Oral LD50 Mouse :  
2643 mg/kg

**Chronic toxicity:** Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

**Local effects:** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Specific effects:** May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

**Primary irritation:** No data is available on the product itself.

**Carcinogenic effects:** No data is available on the product itself.

**Mutagenic effects:** No data is available on the product itself.

**Reproductive toxicity:** No data is available on the product itself.

## 12. ECOLOGICAL INFORMATION

**Mobility:** No data available

**Bioaccumulation:** No data available

**Ecotoxicity effects:** No data available

**Aquatic toxicity:** May cause long-term adverse effects in the aquatic environment.

Components	<b>U.S. DOT - Appendix B - Marine Pollutants</b>	<b>U.S. DOT - Appendix B - Severe Marine Pollutants</b>	<b>United Kingdom - The Red List:</b>
WATER	Not Listed	Not Listed	Not Listed
Quadrafos	Not Listed	Not Listed	Not Listed
Glycol Ether	Not Listed	Not Listed	Not Listed
DIOCTYL SULFOSUCCINATE SODIUM SALT	Not Listed	Not Listed	Not Listed

Components	<b>Germany VCI (WGK)</b>	<b>World Health Organization (WHO) - Drinking Water</b>	<b>Ecotoxicity - Fish Species Data</b>
WATER	Not Listed	Not Listed	Not Listed
Quadrafos	Not Listed	Not Listed	Not Listed
Glycol Ether	Not Listed	Not Listed	LC50 (96 hr) bluegill:1300 mg/L. Cond:Static, 23 °C.;LC50 (24 hr) goldfish:2700 mg/L.:
DIOCTYL SULFOSUCCINATE SODIUM SALT	Not Listed	Not Listed	Not Listed

Components	<b>Ecotoxicity - Freshwater Algae Data</b>	<b>Ecotoxicity - Microtox Data</b>	<b>Ecotoxicity - Water Flea Data</b>
WATER	Not Listed	Not Listed	Not Listed
Quadrafos	Not Listed	Not Listed	Not Listed
Glycol Ether	Not Listed	Not Listed	LC50 (24 hr) water flea:2850 mg/L.:
DIOCTYL SULFOSUCCINATE SODIUM SALT	Not Listed	Not Listed	Not Listed

Components	<b>EPA - ATSDR Priority List</b>	<b>EPA - HPV Challenge Program Chemical List</b>	<b>California - Priority Toxic Pollutants</b>
WATER	Not Listed	Not Listed	Not Listed
Quadrafos	Not Listed	Listed.	Not Listed

Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
Glycol Ether	Not Listed	Listed.	Not Listed
DIOCTYL SULFOSUCCINATE SODIUM SALT	Not Listed	Listed.	Not Listed

Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants
WATER	Not Listed	Not Listed
Quadrafos	Not Listed	Not Listed
Glycol Ether	Not Listed	Not Listed
DIOCTYL SULFOSUCCINATE SODIUM SALT	Not Listed	Not Listed

**13. DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

**Contaminated packaging:** Do not re-use empty containers

**Methods for cleaning up:** Soak up with inert absorbent material.

**14. TRANSPORT INFORMATION**

**UN/Id No:** Not regulated

**DOT:**

**Formamide/ Formazol** Not Regulated

**IATA:**

**TDG (Canada):**

**WHMIS hazard class:** Not determined

**IMDG/IMO**

**IMDG - Hazard Classifications** Not Applicable

**IMO-labels:**

**15. REGULATORY INFORMATION**

**International Inventories**

WATER

**15. REGULATORY INFORMATION**

<b>Inventory - United States TSCA - Sect. 8(b)</b>	Present
<b>Canada DSL Inventory List -</b>	Present
<b>Australia (AICS):</b>	Present
<b>Inventory - China:</b>	Present
<b>EU EINECS List -</b>	231-791-2; H2O
<b>Inventory - Japan:</b>	JP
<b>Korean KECL:</b>	KE-35400
<b>Philippines PICCS:</b>	Present
Quadrafos	
<b>Inventory - United States TSCA - Sect. 8(b)</b>	Listed.
<b>Canada DSL Inventory List -</b>	Listed.
<b>Inventory - China:</b>	Listed.
<b>Inventory - Japan:</b>	(1)-497
<b>Philippines PICCS:</b>	Listed
Glycol Ether	
<b>Inventory - United States TSCA - Sect. 8(b)</b>	Listed.
<b>Canada DSL Inventory List -</b>	Listed.
<b>Australia (AICS):</b>	Listed.
<b>Inventory - China:</b>	Listed.
<b>EU EINECS List -</b>	2039616
<b>Inventory - Japan:</b>	(7)-97 (2)-422
<b>Korean KECL:</b>	KE-10466
<b>Philippines PICCS:</b>	Listed
DIOCTYL SULFOSUCCINATE SODIUM SALT	
<b>Inventory - United States TSCA - Sect. 8(b)</b>	Listed.
<b>Canada DSL Inventory List -</b>	Listed.
<b>Australia (AICS):</b>	Listed.
<b>Inventory - China:</b>	Listed.
<b>Inventory - Japan:</b>	(2)-1623
<b>Korean KECL:</b>	KE-32402
<b>Philippines PICCS:</b>	Listed

**U.S. regulations:**

<b>Components</b>	<b>U.S. DOT - Appendix A Table 1 - Reportable Quantities</b>	<b>U.S. DOT - Appendix B - Marine Pollutants</b>	<b>U.S. DOT - Appendix B - Severe Marine Pollutants</b>
WATER	Not Listed	Not Listed	Not Listed
Quadrafos	Not Listed	Not Listed	Not Listed
Glycol Ether	RQ = 1 pound (as glycol ethers)	Not Listed	Not Listed
DIOCTYL SULFOSUCCINATE SODIUM SALT	Not Listed	Not Listed	Not Listed

<b>Components</b>	<b>California Proposition 65</b>	<b>Massachusetts Right to Know List:</b>	<b>New Jersey Right to Know List:</b>	<b>Pennsylvania Right to Know List:</b>
WATER	Not Listed	Not Listed	not listed	Not determined
Quadrafos	Not Listed	Not Listed	not listed	Not determined
Glycol Ether	Not Listed	Not Listed	Substance no. 2265 Listed.	Listed.
DIOCTYL SULFOSUCCINATE SODIUM SALT	Not Listed	Not Listed	not listed	Not determined

Components	Florida substance List:	Rhode Island Right to Know List:	Illinois - Toxic Air Contaminants	Connecticut - Hazardous Air Pollutants
WATER	Not Listed	Not Listed	Not Listed	Not Listed
Quadrafos	Not Listed	Not Listed	Not Listed	Not Listed
Glycol Ether	Not Listed	Not Listed	Not Listed	Not Listed
DIOCTYL	Not Listed	Not Listed	Not Listed	Not Listed
SULFOSUCCINATE SODIUM SALT				

Components	SARA 313 Emission reporting/Toxic Release of Chemicals	CERCLA/SARA - Section 302 Extremely Haz	NTP:	IARC:
WATER	Not Listed	Not Listed	None	None
Quadrafos	Not Listed	Not Listed	None	None
Glycol Ether	1.0 %	Not Listed	None	None
DIOCTYL	Not Listed	Not Listed	None	None
SULFOSUCCINATE SODIUM SALT				

**SARA 313 Notification:** The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

**State Notification:** The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

## 16. OTHER INFORMATION

**Prepared by:** Health & Safety

The product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by those regulations.

**Disclaimer:** The information and recommendations contained herein are based upon tests believed to be reliable. However, MP Biomedicals does not guarantee the accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage maybe required. MP Biomedicals assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

**End of Safety Data Sheet**