

# MATERIAL SAFETY DATA SHEET



## SUNLIGHT MACHINE DISHWASHER DETERGENT

HMIS		NFPA	Personal protective equipment
Health	2	2	
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 1

Preparation date: 2006-06-28

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** SUNLIGHT MACHINE DISHWASHER DETERGENT  
**MSDS #:** MS0500022  
**Product code:** 2979478, 2979558  
**Recommended use:** Warewashing product. This product is intended to be diluted prior to use.

**Manufacturer, importer, supplier:**  
 US Headquarters: JohnsonDiversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-0902  
 Phone: 1-888-352-2249  
 MSDS Internet Address: www.johnsondiverse.com  
 Canadian Headquarters: JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1  
 Phone: 1-800-668-3131

**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

WARNING. CAUSES EYE IRRITATION. MAY BE MILDLY IRRITATING TO SKIN. MAY BE HARMFUL IF SWALLOWED .

**Principle routes of exposure:** Eye contact. Skin contact. Inhalation.  
**Eye contact:** Severe eye irritation.  
**Skin contact:** May be mildly irritating to skin.  
**Inhalation:** May be irritating to nose, throat, and respiratory tract.  
**Ingestion:** May be irritating to mouth, throat and stomach .

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Sodium carbonate	497-19-8	30 - 40%	= 4090 mg/kg	Not available	Not available
Tetrasodium pyrophosphate	7722-88-5	1 - 5%	= 4 g/kg	Not available	Not available
Sodium metasilicate	6834-92-0	10 - 20%	= 600 mg/kg	Not available	Not available

### 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.  
**Skin contact:** Flush immediately with plenty of water. If irritation develops get medical attention.  
**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention.  
**Ingestion:** If swallowed, 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:** None known.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Not applicable  
**Specific hazards:** Not applicable  
**Unusual hazards:** None known  
**Specific methods:** No special methods required

## 5. FIRE-FIGHTING MEASURES

**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:** Clean-up methods - large spillage. Sweep up and shovel into suitable containers for disposal. 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. 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 THE REACH OF CHILDREN.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering measures to reduce exposure:

No special ventilation requirements. General room ventilation is adequate.

### Personal Protective Equipment

**Eye protection:** Chemical splash goggles.  
**Hand protection:** Chemical resistant gloves  
**Skin and body protection:** No special protective clothing is required.  
**Respiratory protection:** No special protective clothing is required.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Tetrasodium pyrophosphate	7722-88-5	5 mg/m <sup>3</sup> (TWA)		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Powder	<b>Bulk density:</b>	0.91
<b>pH:</b>	No information available	<b>Dilution pH:</b>	10.7
<b>Appearance:</b>	Powder	<b>Vapor density:</b>	No information available
<b>Color:</b>	Yellow	<b>Evaporation Rate</b>	No information available
<b>Odor:</b>	Lemon	<b>Boiling point/range:</b>	Not determined
<b>Specific gravity:</b>	No information available	<b>Melting point/range:</b>	Not determined
<b>Density:</b>	7.59 lbs/gal	<b>Decomposition temperature:</b>	Not determined
<b>VOC:</b>	0% *	<b>Autoignition temperature:</b>	No information available
<b>Flash point:</b>	Not applicable	<b>Partition coefficient (n-octanol/water):</b>	No information available
<b>Solubility:</b>	Soluble	<b>Solubility in other solvents:</b>	No information available
<b>Viscosity:</b>	No information available	<b>Elemental Phosphorus:</b>	5.1 %P

## 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 4000 - 5000 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

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues / unused products:

Dispose of according to all federal, state and local applicable regulations

## 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/NDSL).

### U.S. Regulations

**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:
Sodium carbonate	497-19-8	-	-	-	-
Sodium sulfate	7757-82-6	X	-	-	-
Sodium dichloroisocyanurate dihydrate	51580-86-0	X	-	X	X
Linear alcohol alkoxyate	68987-81-5	-	-	-	-
Tetrasodium pyrophosphate	7722-88-5	X	X	X	X
Sodium tripolyphosphate	7758-29-4	X	X	-	-
Sodium metasilicate	6834-92-0	-	-	-	-

### CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium tripolyphosphate	7758-29-4	10 - 20%	5000		

### SARA 311/312 Hazard Categories

Immediate: Y

### Canada

WHMIS hazard class: D2B Toxic materials .



## 16. OTHER INFORMATION

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

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