

MATERIAL SAFETY DATA SHEET



SUNLIGHT DISHWASHING LIQUID

HMIS		NFPA	Personal protective equipment
Health	2	2	None Required
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 1

Preparation date: 2006-05-19

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: SUNLIGHT DISHWASHING LIQUID

MSDS #: MS0500013

Product code: 2979769

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.johnsondiversev.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

CAUTION. CAUSES EYE IRRITATION. MAY BE MILDLY IRRITATING TO SKIN.

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

Eye contact: Moderately irritating to the eyes.

Skin contact: May be mildly irritating to skin.

Inhalation: None known.

Ingestion: May cause irritation 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
Sulfuric acid	7664-93-9	0.1 - 1.5%	= 2140 mg/kg	Not available	= 347 ppm (1h)
Sodium hydroxide	1310-73-2	1 - 5%	=140 mg/kg	= 1350 mg/kg	Not available
Ethyl alcohol	64-17-5	1 - 5%	= 1501 mg/kg	Not available	= 124.7 mg/L (4h)

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water. If irritation persists, get medical attention.

Skin contact: Flush immediately with plenty of water. If irritation develops get medical attention.

Inhalation: No specific first aid measures are required.

Ingestion: If swallowed, give a cupful of water or milk.

Aggravated Medical Conditions: None known.

5. FIRE-FIGHTING MEASURES

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

Specific hazards: Not applicable

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: Clean-up methods - large spillage. Remove all sources of ignition. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Keep in suitable and closed containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:
Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage:
Protect from freezing. Keep this product dry in original tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. 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: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Skin and body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Sulfuric acid	7664-93-9	0.2 mg/m ³ (TWA)	1 mg/m ³ (TWA)	1 mg/m ³ (TWA)
Sodium hydroxide	1310-73-2	2 mg/m ³ (Ceiling)	2 mg/m ³ (TWA)	2 mg/m ³ (Ceiling)
Ethyl alcohol	64-17-5	1000 ppm (TWA)	1000 ppm (TWA) 1900 mg/m ³ (TWA)	1000 ppm (TWA) 1900 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	No information available
pH:	7	Dilution pH:	No information available.
Appearance:	Liquid	Vapor density:	No information available
Color:	Clear Yellow	Evaporation Rate:	No information available
Odor:	Lemon	Boiling point/range:	Not determined
Specific gravity:	1.06	Melting point/range:	Not determined
Density:	No information available.	Decomposition temperature:	Not determined
VOC:	3.2% *	Autoignition temperature:	No information available
Flash point:	134 (°F) 56.7 (°C)	Partition coefficient (n-octanol/water):	No information available
Solubility:	Easily soluble	Solubility in other solvents:	No information available
Viscosity:	No information available	Elemental Phosphorous:	0 %P

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerization does not occur
Hazardous decomposition products: None reasonably foreseeable.
Materials to avoid: Oxidising agents.
Conditions to avoid: Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Component Information: Oral LD50 estimated to be greater than 5000 mg/kg
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

11. TOXICOLOGICAL INFORMATION

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	NTP	IARC	OSHA
Sulfuric acid	7664-93-9		1	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

RCRA Hazard Class: 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/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Philippines (PICCS).

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:
Water	7732-18-5	-	-	-	-
Dodecylbenzene sulfonic acid	68584-22-5	-	-	-	-
Sulfuric acid	7664-93-9	X	X	-	X
Sodium hydroxide	1310-73-2	X	X	-	X
Magnesium sulfate heptahydrate	10034-99-8	X	X	X	X
Ethyl alcohol	64-17-5	X	X	X	X
Sodium lauryl ether sulfate	9004-82-4	-	-	-	-

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sulfuric acid	7664-93-9	0.1 - 1.5%	1000	1000	X
Sodium hydroxide	1310-73-2	1 - 5%	1000		

SARA 311/312 Hazard Categories

Immediate: Y
Fire: Y

Canada

WHMIS hazard class: B3 Combustible liquid , D2B Toxic materials .



Ingredient(s)	CAS #	NPRI
Sulfuric acid	7664-93-9	X
Ethyl alcohol	64-17-5	X

16. OTHER INFORMATION

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

16. OTHER INFORMATION

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