

Phoenix Brands
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SECTION #1 – IDENTIFICATION

Products: SUNLIGHT® Machine Dishwasher Detergent Gel with Rinse Aid – All Scents

General Use: A consumer machine dishwasher detergent.

SECTION #2 – COMPOSITION and INFORMATION ON INGREDIENTS

This Sunlight® formula averages not more than 4.3% phosphorus in the form of phosphates, which is equivalent to 0.83 grams per tablespoon.

CHEMICAL NAME	CAS #	EXPOSURE LIMITS IN AIR*			
		ACGIH		OSHA	
		TLV	STEL	PEL	STEL
		mg/m3	mg/m3	mg/m3	mg/m3
Sodium tripolyphosphate	13573-18-7	NA	NA	NA	NA
Sodium silicate	134-09-8	NA	NA	NA	NA
Sodium hydroxide	1310-73-2	NA	NA	NA	NA
Sodium hypochlorite	7681-52-9	NA	NA	NA	NA

NA=Not Applicable

See Section 12 for DEFINITION OF TERMS

SECTION #3 – HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION: Eye and Skin Irritant. Harmful If Swallowed. Keep out of reach of children. Contains chlorine bleach and sodium silicate. Not for hand dishwashing. Do not mix with hand dishwashing liquids, or other cleaning products or ammonia as irritating fumes may result.

POTENTIAL HEALTH EFFECTS:

CONTACT WITH EYES: Can cause eye irritation and discomfort.

CONTACT WITH SKIN: Can cause skin irritation, especially from prolonged or repeated industrial contact.

INGESTION: Harmful if swallowed. Can cause gastrointestinal irritation with nausea, vomiting, and delayed diarrhea.

INHALATION: While inhalation of a product mist is unlikely, such exposure can cause upper respiratory irritation.

CHRONIC HEALTH EFFECTS: None expected.

CONSUMER PRODUCT PRECAUTIONARY STATEMENT: CAUTION: Eye and skin Irritant. Harmful If Swallowed. Keep Out of Reach of Children. Contains chlorine bleach and sodium silicate. Not for hand dishwashing. Do not mix with hand dishwashing liquids, other cleaning products or ammonia as irritating fumes may result. Avoid contact with fabric. Do not reuse bottle.

SECTION #4 – FIRST-AID MEASURES

EYE EXPOSURE: Flush eye with water for 5 - 10 minutes.

SKIN EXPOSURE: Rinse with water.

INGESTION: Rinse mouth. Drink a glass of milk or water. Call a physician immediately. Do not induce vomiting unless directed by a physician.

INHALATION: Move individual to fresh air.

Note: If symptoms persist, seek medical attention.

SECTION #5 – FIRE-FIGHTING MEASURES

FLASH POINT: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

FLAMMABLE LIMITS (in air, by volume %): Not applicable.

FIRE EXTINGUISHING MATERIALS: Not applicable.

Water Spray: Yes

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Halon: Yes

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is not combustible. Use appropriate fire extinguishing agent for the packaging material.

SPECIAL FIRE FIGHTING PROCEDURES: None.

SECTION #6 – ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Disposal is to be performed in compliance with applicable laws. Small or household quantities may be disposed of in refuse or sewer. Product contains biodegradable ingredients. For large (industrial) releases, prevent spill from entering a waterway.

SECTION #7 – HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: Use personal protective equipment appropriate for the task.

STORING AND HANDLING PRACTICES: Do not mix with acids or other products as irritating fumes may result.

PROTECTIVE PRACTICES DURING MAINTENANCE OR CONTAMINATED EQUIPMENT: Use personal protective equipment when contact with the product dust is likely.

SECTION #8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Mechanical ventilation not required during normal operations.

EYE PROTECTION: Wear safety glasses.

HAND PROTECTION: Wear rubber gloves for prolonged contact.

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BODY PROTECTION: None required.

SECTION #9 – PHYSICAL and CHEMICAL PROPERTIES

VAPOR DENSITY: Not determined. EVAPORATION RATE (water=1): Not determined.

SPECIFIC GRAVITY: 1.25 – 1.33

MELTING POINT: Not determined.

SOLUBILITY IN WATER: Completely miscible.

BOILING POINT: Not determined.

VAPOR PRESSURE, mm Hg @ 20°C: Not applicable. pH (10% solution): 12.7

APPEARANCE AND COLOR: This product is a white viscous gel with lemon or apple odor.

SECTION #10 – STABILITY and REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Chlorine.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Acids, ammonia containing compounds.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contains chlorine bleach, an oxidizer. Avoid contact with clothing, acids, ammonia containing compounds.

SECTION #11 – TRANSPORTATION INFORMATION

THIS MATERIAL IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Not applicable.

HAZARD CLASS NUMBER and DESCRIPTION: Not applicable.

UN IDENTIFICATION NUMBER: Not applicable.

PACKING GROUP: Not applicable.

DOT LABEL(S) REQUIRED: Not applicable.

EMERGENCY RESPONSE GUIDE NUMBER: Not applicable.

MARINE POLLUTANT: Not applicable.

CANADIAN TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: THIS MATERIAL IS NOT CLASSIFIED “DANGEROUS GOODS”

SECTION #12 - DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following: CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching. EXPOSURE LIMITS IN AIR: ACGIH – American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits. TLV – Threshold Limit Value – an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (TWA), the 15-minute Short Term Exposure Limit (STEL), and the instantaneous Ceiling Limit. Skin adsorption effects must also be considered.

OSHA – U. S. Occupational Safety and Health Administration. PEL – Permissible Exposure Limit – this exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. NIOSH is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (OSHA). NIOSH issues exposure guidelines called Recommended Exposure Levels (RELs). FLAMMABILITY LIMITS IN AIR: Much of the information related to fire and explosion is derived from the National Fire Protection Association (NFPA). LEL – the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL – the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

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