

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Detergent, General Purpose / Surgical Glass Cleaner

Product #: 7930-00-558-1111 CAS Number: Blend

NuGeneration Technologies, LLCwww.nugentec.com

1155 Park Avenue, Emeryville, CA 94608 USA (888) 996-8436 (product info)

1-800-424-9300 or 1-202-483-7616 (CHEMTREC: For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS:

HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
Sodium dodecylbenzenesulfonate	>30.0 %	25155-30-0
Tetrasodium pyrophosphate	>30.0 %	7722-88-5
Pentasodium triphosphate	>30.0 %	7758-29-4
Sodium carbonate	>20.0 %	497-19-8

COMPOSITION COMMENT: Biodegradable product. For hand and machine washing of glass ware and lab ware.

HAZARDS DISCLOSURE: This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains no known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW - WARNING!
Not expected to be a skin or eye irritant.

HMIS/NFPA Rating:

Health - 1, Flammability - 0, Reactivity - 0 Personal Protection Index - B

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme).

POTENTIAL HEALTH EFFECTS

EYE: Contact may cause eye irritation.

INGESTION: May cause vomiting and diarrhea, abdominal pain, and gastric distress.

SKIN: Prolonged or repeated contact may cause skin irritation.

INHALATION: No know inhalation issues in normal industrial use.

SIGNS AND SYMPTOMS OF EXPOSURE: Not expected to be a skin or eye irritant.

CHRONIC EFFECTS: Prolonged/repeated contact may produce mild skin irritation.

CARCINOGENICITY INFORMATION: No known cancer hazards.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID: Check for and remove contact lenses. Flush eyes with plenty of water for at least 15 minutes.

SKIN CONTACT FIRST AID: Wash skin with water and remove contaminated clothing.

INHALATION FIRST AID: No know inhalation issues in normal industrial use.

INGESTION FIRST AID: Ingestion is an unlikely route of exposure. Dilute with two glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting, seek immediate medical attention.

STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Auto-ignition Temp: None

COC Flash Point: None TCC Flash Point: None

FLAMMABLE LIMITS IN AIR: LEL: None; UEL: None

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam. Water. Water fog.

FIRE & EXPLOSION HAZARDS: Oxides of carbon (COx). Hydrocarbons..

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES: No special measures needed.

ENVIRONMENTAL PRECAUTIONS: None necessary.

CLEAN-UP PROCEDURES: Contain the spill. Recover uncontaminated material for re-use. Wear appropriate protective equipment. Contaminated material should be swept or shoveled into appropriate waste container for disposal.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE Minimum: 4.4°C (40°F) Maximum: 48.9°C (120°F)

SHELF LIFE(in original sealed containers): 5 years @ 4.4°C 3 years @ 48.9°C

HANDLING (PERSONNEL): Avoid contact with eyes, skin, and clothing.

STORAGE PRECAUTIONS: Keep from freezing. Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Under normal use conditions, with adequate ventilation, no special handling equipment is required.

EYE PROTECTION REQUIREMENTS: Wear protective glasses to minimize eye contact.

EYE / FACE / RESPIRATORY PROTECTION REQUIREMENTS: Not required in normal use.

SKIN PROTECTION REQUIREMENTS: Wear protective gloves to minimize skin contamination.

EXPOSURE GUIDELINES: Tetrasodium pyrophosphate (7722-88-5)

OSHA: 5 mg/m³ TWA NIOSH: 5 mg/m³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Granular powder

COLOR: White

ODOR: None

BOILING POINT: Not Applicable

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 0-85-1.10

MELTING/FREEZING POINT: Not Applicable

PH: 9.5 (1% aqueous solution)

VOC: None

10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids and oxidizers.

DECOMPOSITION: Oxides of carbon (COx). Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ACUTE DOSE EFFECTS

A: General Product Information: No information available for the product.

B: Component Analysis - LD50/LC50:

Sodium dodecylbenzenesulfonate (25155-30-0): Oral LD50 Rat: 438 mg/kg

Tetrasodium pyrophosphate (7722-88-5): Oral LD50 Rat: >2000 mg/kg

Pentasodium triphosphate (7758-29-4): Oral LD50 Rat: 3100 mg/kg; Dermal LD50 Rabbit:>7940 mg/kg

Sodium carbonate (497-19-8): Oral LD50 Rat: 4090 mg/kg; Dermal LD50 Mouse:2210 mg/kg

CARCINOGENICITY

A: General Product Information: No information available for the product.

B: Component Carcinogenicity: None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

A: General Product Information: No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity:

Sodium dodecylbenzenesulfonate (25155-30-0)

Test & Species	Conditions
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96 Hr LC50 Oncorhynchus mykiss	10.8 mg/L [static]
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Pentasodium triphosphate (7758-29-4)

Test & Species	Conditions
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48 Hr LC50 Leuciscus idus	1650 mg/L
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Sodium carbonate (497-19-8)

Test & Species	Conditions
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96 Hr LC50 Lepomis macrochirus	300 mg/L [static]
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96 Hr LC50 Pimephales promelas	<310-1220 mg/L [static]
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120 Hr EC50 Nitzschia	242 mg/L
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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Treat or dispose of waste material in accordance with all local, state, and national requirements.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

CONTAINER DISPOSAL: Clean out containers prior to disposal.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: **Detergent, General Purpose**

PACKAGE CLASS: 55

D.O.T. SHIPPING NAME: Cleaning Compound

TECHNICAL SHIPPING NAME: N/A

D.O.T. HAZARD CLASS: Non-Hazardous

UN NUMBER: N/A

D.O.T. LABEL: NOBIN Non-Hazardous

PRODUCT RQ (LBS): NA

D.O.T. PLACARD: N/A

BULK CLASS: N/A

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

COMPONENT ANALYSIS: This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Sodium dodecylbenzenesulfonate (25155-30-0): CERCLA: 1000 lb final RQ; 454 kg final RQ

Pentasodium triphosphate (7758-29-4): CERCLA: 5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ (listed under Sodium phosphate, tribasic)

STATE REGULATIONS

COMPONENT ANALYSIS - STATE

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Sodium dodecylbenzenesulfonate	25155-30-0	Yes	Yes	No	Yes	Yes	No
Tetrasodium pyrophosphate	7722-88-5	Yes	Yes	Yes	Yes	Yes	Yes
Pentasodium triphosphate	7758-29-4	Yes	Yes	No	No	Yes	No

COMPONENT ANALYSIS - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Sodium dodecylbenzenesulfonate	25155-30-0	1 %
Tetrasodium pyrophosphate	7722-88-5	1 %
Sodium carbonate	497-19-8	1 %

ADDITIONAL REGULATORY INFORMATION

COMPONENT ANALYSIS - INVENTORY

Component	CAS #	TSCA	CAN	EEC
Sodium dodecylbenzenesulfonate	25155-30-0	Yes	DSL	EINECS
Tetrasodium pyrophosphate	7722-88-5	Yes	DSL	EINECS
Pentasodium triphosphate	7758-29-4	Yes	DSL	EINECS
Sodium carbonate	497-19-8	Yes	DSL	EINECS

16. OTHER INFORMATION

PREPARED BY: Donato Polignone
 APPROVAL DATE: December 15, 2010

NSN: 7930-00-558-1111 (Official Copy)
 SUPERCEDES DATE: October 13, 2005

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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