

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name GRRR
Recommended Use cleaning agent
Information on Manufacturer

Product Code 0095
Chemical Nature mixture
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING
 Severe skin irritation
 Severe eye irritation
 Irritating to respiratory system
 Harmful if swallowed

Color Green **Physical State** Liquid **Odor** None

Potential Health Effects

Principle Route of Exposure

Skin contact, Eye contact.

Primary Routes of Entry

None known

Acute Effects

Eyes Severe eye irritant.
Skin Severe skin irritant.
Inhalation Causes respiratory tract irritation.
Ingestion Irritating to mucous membranes.

Chronic Toxicity

None known

Target Organ Effects

Skin, Eyes, Respiratory system.

Aggravated Medical Conditions

Skin disorders, Respiratory disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Sodium triphosphate	7758-29-4
Sodium xylene sulfonate	1300-72-7
Sodium hydroxide	1310-73-2
Sodium dodecylbenzenesulfonate	25155-30-0

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
Skin Contact Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Wash contaminated clothing before re-use.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to Physician No information available.

5. FIRE-FIGHTING MEASURES

Flash Point Not combustible **Method** Not applicable
Autoignition Temperature No information available.
Flammability Limits in Air % Not applicable. **Upper** No data available **Lower** No data available
Suitable Extinguishing Media
 Foam. Carbon dioxide (CO2). Dry chemical. Water spray.
Specific Hazards Arising from the Chemical
 Material can create slippery conditions.
Protective Equipment and Precautions for Firefighters
 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
NFPA Health 2 **Flammability** 1 **Instability** 0
HMIS Health 2 **Flammability** 1 **Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up Pick up and transfer to properly labeled containers.
Neutralizing Agent Neutralize with hydrochloric acid.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or mists.				
Storage	Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place.				
Storage Temperature	Minimum	35°F/2°C		Maximum	120°F/49°C
Storage Conditions	Indoor	X	Outdoor	X	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Sodium tripolyphosphate	No data available	No data available	No data available
Sodium xylene sulfonate	No data available	No data available	No data available
Sodium hydroxide	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Sodium dodecylbenzenesulfonate	No data available	No data available	No data available

Engineering Measures

Use with local exhaust ventilation.

Personal Protective Equipment

Eye/Face Protection

Goggles.

Skin Protection

Impervious gloves, Impervious clothing.

Respiratory Protection

Use NIOSH approved respiratory protection.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Wear protective gloves/clothing. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	Green	Odor	None
Appearance	Transparent	pH	12.4
Specific Gravity	1.1	Evaporation Rate	0.45 (Butyl acetate=1)
Percent Volatile (Volume)	No information available	VOC Content (%)	No information available
Vapor Pressure	15.5 mmHg @ 70 °F	Vapor Density	0.6
Solubility	Soluble	Boiling Point/Range	210°F/99°C

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Conditions to Avoid

Heat, flames, and sparks.

Incompatible Products

Strong oxidizing agents, Acids.

Hazardous Decomposition Products

Carbon oxides, Sulfur oxides, Oxides of phosphorus, Phosphorus compounds, Hydrogen sulfide and smoke, Sodium oxides.

Possibility of Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium tripolyphosphate	3100 mg/kg (Rat)	7940 mg/kg (Rabbit)	no data available	no data available	no data available
Sodium xylene sulfonate	7200 mg/kg (Rat)	no data available	no data available	no data available	no data available
Sodium hydroxide	no data available	1350 mg/kg (Rabbit)	no data available	no data available	no data available
Sodium dodecylbenzenesulfonate	438 mg/kg (Rat)	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium tripolyphosphate	no data available	no data available	no data available	no data available	Spleen, kidneys
Sodium xylene sulfonate	no data available	no data available	no data available	no data available	no data available
Sodium hydroxide	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Sodium dodecylbenzenesulfonate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium tripolyphosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium xylene sulfonate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium hydroxide	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium dodecylbenzenesulfonate	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sodium tripolyphosphate	no data available	48 Hr LC50 Leuciscus idus: 1650 mg/L	no data available	no data available	N/A
Sodium xylene sulfonate	no data available	no data available	no data available	no data available	N/A
Sodium hydroxide	no data available	96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]	no data available	no data available	N/A
Sodium dodecylbenzenesulfonate	no data available	96 Hr LC50 Oncorhynchus mykiss: 10.8 mg/L [static]	no data available	no data available	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS**Product Disposal**

Dispose of in accordance with local regulations.

Container Disposal

Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

TDG

ICAO

IATA

IMDG/IMO

15. REGULATORY INFORMATION**Inventories**

TSCA Complies
 DSL Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Sodium tripolyphosphate	5000 lb	Not applicable
Sodium xylene sulfonate	Not applicable	Not applicable
Sodium hydroxide	1000 lb	Not applicable
Sodium dodecylbenzenesulfonate	1000 lb	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials

**16. OTHER INFORMATION**

Prepared By Dan Hollas
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 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

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