Safety Data Sheet: GRRR

Supercedes Date Not applicable **Issuing Date** 05/20/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name GRRR
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0460
Chemical nature mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Green **Physical State** Liquid **Odor** Odorless

GHS
Classification
Physical Hazards
None
Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Specific target organ systemic toxicity (repeated exposure)	Category 2

Other hazards
None

Labeling
Signal Word
WARNING

Hazard Statements
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements
P280 - Wear protective gloves, protective clothing and eye protection.
P260 - Do not breathe msits.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
P332 + P313 - If skin irritation occurs, get medical attention.
P362 - Take off contaminated clothing and wash before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P501 - Dispose of contents and container in accordance with applicable regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Sodium dodecylbenzenesulfonate	25155-30-0	10-30
Sodium tripolyphosphate	7758-29-4	5-10
Sodium xylene sulfonate	1300-72-7	1-5
Sodium hydroxide	1310-73-2	0.1-1

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing mist.
Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing 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 Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash **Method** Not applicable

Flammability Limits in Air % Not applicable. **Upper** No data available **Lower** No data available

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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. Material can create slippery conditions.

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 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

Neutralizing Agent Acetic acid, diluted.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing mist.

Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

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 dodecylbenzenesulfonate	No data available	No data available	No data available
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

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin Protection Wear suitable protective clothing, Impervious gloves.

Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Semi-viscous
Color	Green	**Odor**	Odorless
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	11.49	**Specific Gravity**	1.109

Evaporation Rate	0.45 (BuAc = 1)	**Percent Volatile (Volume)**	76.1
VOC Content (%)	0.2	**VOC Content (g/L)**	2
Vapor Pressure	15.44 mmHg @ 70°F	**Vapor Density**	0.6 (air = 1)
Solubility	Soluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	212 °F / 100 °C	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash	**Method**	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %	Not applicable.	**Upper** No data available **Lower** No data available	

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.
Conditions to Avoid None known
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

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):
Oral LD50 No information available
Dermal LD50 No information available
Inhalation LC50
- **Gas** No information available
- **Mist** No information available
- **Vapor** No information available

Principle Route of Exposure Skin contact, Eye contact.
Primary Routes of Entry None known
Acute Effects
- **Eyes** Severe irritation.
- **Skin** Severe irritation.
- **Inhalation** Causes respiratory tract irritation.
- **Ingestion** Irritating to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity Kidney injury may occur. May cause disorder and damage to the spleen.
Target Organ Effects Skin, Eyes, Respiratory system, Spleen, Kidney.
Aggravated Medical Conditions Skin disorders, Respiratory disorders, Kidney disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium dodecylbenzenesulfonate	= 438 mg/kg (Rat)	no data available	no data available	no data available	no data available
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

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium dodecylbenzenesulfonate	no data available	no data available	no data available	no data available	no data available
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

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium dodecylbenzenesulfonate	not applicable	not applicable	not applicable	not applicable	not applicable
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

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sodium dodecylbenzenesulfonate	no data available	LC50 = 10.8 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A
Sodium tripolyphosphate	no data available	LC50 = 1650 mg/L Leuciscus idus 48 h	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	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h	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 Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

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 and Title 40 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	Yes	No	No	No

CERCLA

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

16. OTHER INFORMATION

Prepared By Adrienne McKee
Supercedes Date Not applicable
Issuing Date 05/20/2013
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

CERTIFIED LABS, DIV. OF NCH CORP.assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this MSDS is correct to the best of our knowledge,

information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.