

Safety Data Sheet: GRRR

Supersedes Date Not applicable

Issuing Date 05/20/2013

1. PRODUCT AND COMPANY IDENTIFICATION

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

Product Code 0460
Chemical nature mixture
Emergency Telephone Number

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 mists.

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

Inhalation	15 minutes. Get medical attention immediately. Wash contaminated clothing before re-use.
Ingestion	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Notes to physician	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	Does not flash	Method	Not applicable
Flammability Limits in Air %	Not applicable.	Upper	No data available
Suitable Extinguishing Media	Carbon dioxide (CO ₂). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	Lower	No data available
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
Storage Conditions	Indoor X Outdoor X Maximum Heated 120 °F / 49 °C 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 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

Supersedes Date

Not applicable

Issuing Date

05/20/2013

Reason for Revision

No information available.

Glossary

No information available.

List of References.

No information available.

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