

Material Safety Data Sheet: GOOD RIDDANCE

Supersedes Date 04/12/2006

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name GOOD RIDDANCE
Product Code 0677
Information on Manufacturer
 CHEMSEARCH DIV. OF NCH CORP.
 BOX 152170
 IRVING, TX 75015

Recommended Use cleaning agent
Chemical Nature Mixture
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Warning
 May cause skin irritation
 Causes eye irritation
 May cause allergic skin reaction
 May cause allergic respiratory reaction
 May cause respiratory tract irritation
 May be harmful if swallowed

Color Colorless	Physical State Liquid	Odor Fresh
Potential Health Effects		
Principle Route of Exposure	Skin contact, Eye contact.	
Primary Routes of Entry	Inhalation, Ingestion, Skin Absorption.	
Acute Effects		
Eyes	Causes eye irritation.	
Skin	May cause skin irritation. May cause allergic skin reaction.	
Inhalation	May cause irritation of respiratory tract. May cause allergic respiratory reaction.	
Ingestion	Irritating to mucous membranes. May produce an allergic reaction.	
Chronic Effects	May cause sensitization of susceptible persons.	
Target Organ Effects	Skin, Eyes, Respiratory system, Bone Marrow.	
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 thiosulfate pentahydrate	10102-17-7
Sodium lauryl sulfate	151-21-3
Tetrasodium Ethylenediaminetetraacetate	64-02-8
Sulfuric acid, mono-c12-16-alkyl esters, sodium salts	73296-89-6
Sodium metabisulfite	7681-57-4

4. FIRST AID MEASURES

General Advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. 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		
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. 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	Pick up and transfer to properly labeled containers .
Neutralizing Agent	Not applicable

7: HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and 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	
			Heated	Refrigerated

8: EXPOSURE/CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Sodium thiosulfate pentahydrate	No data available	no data available	no data available
Sodium lauryl sulfate	No data available	no data available	no data available
Tetrasodium Ethylenediaminetetraacetate	No data available	no data available	no data available
Sulfuric acid, mono-c12-16-alkyl esters, sodium salts	No data available	no data available	no data available
Sodium metabisulfite	TWA: 5 mg/m ³	no data available	TWA: 5 mg/m ³

Engineering Measures	Use with local exhaust ventilation.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	Impervious gloves.
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	Colorless	Odor	Fresh
Appearance	Transparent	pH	5.8
Specific Gravity	1.037	Bulk Density	No information available
Evaporation Rate	0.45 (Butyl acetate=1)	Percent Volatile (Volume)	91
VOC Content (%)	0.1	VOC Content (g/l)	0
Vapor Pressure	16.7 mmHg @ 70 °F	Vapor Density	0.6
Solubility	Soluble	Boiling Point/Range	212°F / 100°C

10: STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	None known.
Incompatible Products	Strong oxidizing agents. Acids. Halogenated hydrocarbon. Powdered metals. Metal nitrates .
Hazardous Decomposition Products	Carbon oxides. Sulfur oxides . Sodium oxides. Hydrogen sulfide and smoke .
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 thiosulfate pentahydrate	5000 mg/kg (Rat)	no data available	no data available	no data available	no data available
Sodium lauryl sulfate	1288 mg/kg (Rat)	580 mg/kg (Rabbit)	3900 mg/m ³ (Rat) 1 h	no data available	no data available
Tetrasodium Ethylenediaminetetraacetate	10 g/kg (Rat)	no data available	no data available	no data available	no data available
Sulfuric acid, mono-c12-16-alkyl esters, sodium salts	1783 mg/kg (Rat)	no data available	no data available	no data available	no data available
Sodium metabisulfite	1131 mg/kg (Rat)	2 g/kg (Rat)	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium thiosulfate pentahydrate	no data available	no data available	no data available	no data available	no data available
Sodium lauryl sulfate	no data available	Skin sensitization	no data available	no data available	Bone marrow
Tetrasodium Ethylenediaminetetraacetate	no data available	no data available	no data available	no data available	no data available
Sulfuric acid, mono-c12-16-alkyl esters, sodium salts	no data available	no data available	no data available	no data available	no data available
Sodium metabisulfite	no data available	Skin sensitization	no data available	no data available	eyes, skin, respiratory

					system, bone marrow
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Carcinogenicity There are no known carcinogenic chemicals in this product

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium thiosulfate pentahydrate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium lauryl sulfate	not applicable	not applicable	not applicable	not applicable	not applicable
Tetrasodium Ethylenediaminetetraacetate	not applicable	not applicable	not applicable	not applicable	not applicable
Sulfuric acid, mono-c12-16-alkyl esters, sodium salts	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium metabisulfite	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 thiosulfate pentahydrate	no data available	LC50= 24000 mg/L <i>Gambusia affinis</i> 96 h	no data available	no data available	N/A
Sodium lauryl sulfate	EC50 30 - 100 mg/L <i>Scenedesmus subspicatus</i> 96 h EC50= 117 mg/L <i>Selenastrum capricornutum</i> 96 h EC50= 53 mg/L <i>Scenedesmus subspicatus</i> 72 h	LC50 13.5 - 18.3 mg/L <i>Poecilia reticulata</i> 96 h LC50 4.06 - 5.75 mg/L <i>Lepomis macrochirus</i> 96 h LC50 6.6 - 8.5 mg/L <i>Pimephales promelas</i> 96 h LC50= 10.2 mg/L <i>Pimephales promelas</i> 96 h LC50= 17 mg/L <i>Pimephales promelas</i> 96 h LC50= 22.5 mg/L <i>Pimephales promelas</i> 96 h LC50= 4.6 mg/L <i>Oncorhynchus mykiss</i> 96 h LC50= 7.97 mg/L <i>Brachydanio rerio</i> 96 h	EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	EC50 = 1.8 mg/L 48 h	1.6
Tetrasodium Ethylenediaminetetraacetate	EC50= 1.01 mg/L <i>Scenedesmus subspicatus</i> 72 h	LC50= 41 mg/L <i>Lepomis macrochirus</i> 96 h LC50= 59.8 mg/L <i>Pimephales promelas</i> 96 h	no data available	EC50 = 610 mg/L 24 h	N/A
Sulfuric acid, mono-c12-16-alkyl esters, sodium salts	EC50= 42 mg/L <i>Scenedesmus subspicatus</i> 96 h	LC50= 4.1 mg/L <i>Leuciscus idus</i> 48 h	no data available	EC50 = 21.2 mg/L 24 h	N/A
Sodium metabisulfite	EC50= 40 mg/L <i>Scenedesmus subspicatus</i> 96 h EC50= 48 mg/L <i>Scenedesmus subspicatus</i> 72 h	LC50= 32 mg/L <i>Lepomis macrochirus</i> 96 h	EC50 = 56 mg/L 17 h	EC50 = 89 mg/L 24 h	-3.7

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 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 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	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Sodium thiosulfate pentahydrate	Not applicable	Not applicable
Sodium lauryl sulfate	Not applicable	Not applicable
Tetrasodium Ethylenediaminetetraacetate	Not applicable	Not applicable
Sulfuric acid, mono-c12-16-alkyl esters, sodium salts	Not applicable	Not applicable
Sodium metabisulfite	Not applicable	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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