

GERMOSOLVE 5 RTU

SECTION 1. IDENTIFICATION

Product Identifier	GERMOSOLVE 5 RTU
Other Means of Identification	1946WIPR1
Recommended Use	All purpose neutral cleaner.
Manufacturer	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
Supplier Identifier	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
Emergency Phone No.	CANUTEC, 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone
SDS No.	32350, 32351
Date of Preparation	February 01, 2017

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2A

Label Elements



Warning

Hazard Statement(s):

Harmful if swallowed, in contact with skin or if inhaled.
Causes serious eye irritation.
Causes skin irritation.

Precautionary Statement(s):

Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves.
Wear eye protection/face protection.
Avoid breathing mist.

Product Identifier: GERMOSOLVE 5 RTU - Ver. 1
Date of Preparation: February 01, 2017
Date of Last Revision: June 01, 2018

Response:

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice or attention.

If eye irritation persists: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Storage:

Store in a well-ventilated place. Keep cool.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Tetrasodium ethylenediaminetetraacetate	64-02-8	3.00-7.00		
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	0.50-1.50		

Notes

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash with plenty of water. If skin irritation or a rash occurs, get medical advice or attention. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned. Call a Poison Centre or doctor if you feel unwell.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Product Identifier: GERMOSOLVE 5 RTU - Ver. 1

Date of Preparation: February 01, 2017

Date of Last Revision: June 01, 2018

Does not burn.
Not known to generate any hazardous decomposition products in a fire.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. No special precautions are necessary.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

Large spills or leaks: stop or reduce leak if safe to do so. Dike spilled product to prevent runoff. Dike and recover contaminated water for appropriate disposal. Contact emergency services and manufacturer/supplier for advice.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not swallow. Wash hands thoroughly after handling this material.

Conditions for Safe Storage

Store in an area that is: cool, ventilated. Store in the original, labelled, shipping container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	Not established		Not established		Not established	
Tetrasodium ethylenediaminetetraacetate	2 mg/m3		Not established		Not established	

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wash hands and face thoroughly after handling and before eating, drinking, smoking or using the toilet.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Violet liquid.
Odour	Lavender
Odour Threshold	Not available
pH	10.00 - 11.00
Melting Point/Freezing Point	Not available (melting); Not available (freezing)

Product Identifier: GERMOSOLVE 5 RTU - Ver. 1

Date of Preparation: February 01, 2017

Date of Last Revision: June 01, 2018

Initial Boiling Point/Range	>= 100 °C (212 °F)
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.01
Solubility	Very soluble in water; Not applicable (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not applicable (kinematic); Not applicable (dynamic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Decomposes in the presence of high energy sources (e.g. welding arcs). May cause a fire.

Conditions to Avoid

Freezing.

Incompatible Materials

Not applicable.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	0.054-0.51 mg/L	> 500 mg/kg (rat)	> 2000 mg/kg (rabbit)
Tetrasodium ethylenediaminetetraacetate	Not available	3030 mg/kg (rat)	> 5000 mg/kg (rabbit)

Skin Corrosion/Irritation

May cause very mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

May cause serious eye damage based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Symptoms may include redness, rash, swelling and itching.

Product Identifier: GERMOSOLVE 5 RTU - Ver. 1

Date of Preparation: February 01, 2017

Date of Last Revision: June 01, 2018

Skin Absorption

Symptoms may include redness, rash, swelling and itching.

Ingestion

Causes damage to organs based on information for closely related materials.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	Not Listed	Not Listed	Not Listed	Not Listed
Tetrasodium ethylenediaminetetraacetate	Not Listed	Not Listed	Not Listed	Not Listed

Reproductive Toxicity**Development of Offspring**

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

Not known to be a mutagen.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Studies were not located.

Persistence and Degradability

Predicted not to degrade rapidly based on quantitative structure-activity relationships.

Bioaccumulative Potential

This product and its degradation products are not expected to bioaccumulate.

Mobility in Soil

Studies are not available.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations. Store product for disposal as described under Storage in Section 7 of this safety data sheet. Do not reuse empty containers.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Environmental Not applicable

Product Identifier: GERMOSOLVE 5 RTU - Ver. 1

Date of Preparation: February 01, 2017

Date of Last Revision: June 01, 2018

Hazards

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by WHMIS.

Canada

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

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 1** **Flammability - 0** **Instability - 0**

SDS Prepared By Technical Manager

Phone No. 905-842-8300

Date of Preparation February 01, 2017

Date of Last Revision June 01, 2018

Key to Abbreviations IARC = International Agency for Research on Cancer

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

Additional Information All information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations of mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. (Unless noted to the contrary, the technical information applies only to pure product). To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Lawrason's, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Lawrason's Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.

Disclaimer While the company believes the data set forth herein are accurate as of the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.

Product Identifier: GERMOSOLVE 5 RTU - Ver. 1

Date of Preparation: February 01, 2017

Date of Last Revision: June 01, 2018

Page 06 of 06