

All-Purpose Cleaning Wipes

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
Revision Date: 09/07/2021 Date of Issue: 06/12/2013 Supersedes Date: 04/14/2020 Version: 3.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: All-Purpose Cleaning Wipes

1.2. Intended Use of the Product

Clean hard surfaces

1.3. Name, Address, and Telephone of the Responsible Party

Company, Manufacturer

RTS Companies Inc.
1027 Industrial Place
St. Clements, ON
NOB 2M0
T 519-699-0022

rtscompaniesinc.com

1.4. Emergency Telephone Number

Emergency Number : Canada - Medical-Poison Centre: 1-800-567-8911 Transportation Canutec: 1-613-996-6666
United States - Medical-Poison Control: 1-800-222-1222 Transportation: 1-800-792-8311

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Aquatic Acute 3 H402

Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

2.2. Label Elements

GHS-US/CA Labeling

Hazard Statements (GHS-US/CA) : H402 - Harmful to aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA) : P273 - Avoid release to the environment.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Water	AQUA / water	(CAS-No.) 7732-18-5	95.93	Not classified
Triethylene glycol	1,2-Bis(2-hydroxyethoxy)ethane / 3,6-Dioxaoctane-1,8-diol / 2,2'-(1,2-Ethanediybis(oxy))bisethanol / Ethanol, 2,2'-(ethylenedioxy)di- / Ethanol, 2,2'-[1,2-ethanediybis(oxy)]bis- / 2,2'-(Ethylenedioxy)diethanol / 2,2'-Ethylenedioxybis(ethanol) / 2,2'-Ethylenedioxydiethanol / 2,2'-Ethylenedioxyethanol / Glycol bis(hydroxyethyl) ether / Octane-1,8-diol, 3,6-dioxa- / Triglycol / TRIETHYLENE GLYCOL / Ethanol, 2,2'-(1,2-ethanediybis(oxy))bis-	(CAS-No.) 112-27-6	3	Not classified

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1-Dodecanamine, N,N-dimethyl-, N-oxide	Lauryldimethylamine oxide / N,N-Dimethyldodecylamine oxide / Dodecylamine, N,N-dimethyl-, N-oxide / Dodecyldimethylamine oxide / 1-Dodecanamine, N,N-dimethyl oxide / 1-Dodecylamine, N,N-dimethyl-, N-oxide / N,N-Dimethyldodecylamine N-oxide / N,N-Dimethylauramine N-oxide / LAURAMINE OXIDE / Lauramine oxide / Ammonyx LO	(CAS-No.) 1643-20-5	0.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Benzyl-C12-16-alkyldimethylammonium chloride / Quaternary ammonium compounds, benzylalkyl(C12-16)dimethyl, chlorides / Benzylkonium chloride / Alkyl (C12-16) dimethylbenzylammonium chloride / Benzyl[alkyl(C12-16)]dimethylammonium chloride / Alkyl(C12-16)dimethylbenzylammonium chloride / Benzyl-C12-16-alkyldimethyl, chlorides / Alkyl(C12-16)dimethylbenzyl ammonium chloride / Benzyl(C12-16) alkyldimethyl, chlorides / Benzyl-C12-16-alkyldimethyl, chloride / Quaternary ammonium compounds, benzyl C12-16 (even numbered)-alkyldimethyl chlorides / Alkyl(C12-16)(benzyl)(dimethyl)ammonium chloride	(CAS-No.) 68424-85-1	0.42	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, tetraammonium salt	Acetic acid, (ethylenedinitrilo)tetra-, tetraammonium salt / Ethylenediaminetetraacetate, tetraammonium / Tetraammonium ethylenediaminetetraacetate / Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, ammonium salt (1:4) / EDTA tetraammonium salt	(CAS-No.) 22473-78-5	0.1	Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319 STOT RE 2, H373
Eugenol	4-Allyl-1-hydroxy-2-methoxybenzene / 4-Allyl-2-methoxyphenol / 4-Allylcatechol-2-methyl ether / Eugenol / p-Eugenol / 1,3,4-Eugenol / 1-Hydroxy-2-methoxy-4-allylbenzene / 1-Hydroxy-2-methoxy-4-prop-2-enylbenzene / 4-Hydroxy-3-methoxyallylbenzene / 2-Methoxy-1-hydroxy-4-allylbenzene / 2-Methoxy-4-(2-propenyl)phenol / 2-Methoxy-4-allylphenol / 2-Methoxy-4-prop-2-enylphenol / Phenol, 2-methoxy-4-(2-propenyl)- / Phenol, 4-allyl-2-methoxy- / Synthetic eugenol / Phenol, 2-methoxy-4-(2-propen-1-yl)- / Etheric oil / EUGENOL / 1-Hydroxy-2-methoxy-4-propenylbenzene	(CAS-No.) 97-53-0	0.06	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Aquatic Acute 3, H402

Full text of H- and EUH-statements: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Prolonged exposure may cause skin irritation.

Eye Contact: May cause slight irritation to eyes.

Ingestion: Ingestion may cause adverse effects.

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Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Clean Cart Handles

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

8.2. Exposure Controls

Appropriate Engineering Controls: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: White wet wipe, 100% rayon
Odor	: Citrus
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: Not available
Solubility	: Not available
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. Hazardous Decomposition Products:** None expected under normal conditions of use.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Triethylene glycol (112-27-6)	
LD50 Oral Rat	17 g/kg
LD50 Dermal Rabbit	> 20 ml/kg
ATE US/CA (oral)	17,000.00 mg/kg body weight
ATE US/CA (dermal)	22,460.00 mg/kg body weight
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
LD50 Oral Rat	426 mg/kg
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetraammonium salt (22473-78-5)	
ATE US/CA (dust, mist)	1.50 mg/l/4h
1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)	
ATE US/CA (oral)	500.00 mg/kg body weight
Eugenol (97-53-0)	
LD50 Oral Rat	1930 mg/kg
Eugenol (97-53-0)	
IARC Group	3

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Harmful to aquatic life with long lasting effects.

Triethylene glycol (112-27-6)	
LC50 Fish 1	56200 – 63700 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	42426 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
LC50 Fish 1	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
NOEC Chronic Fish	0.032 mg/l (Exposure time: 34 d - Species: Fathead minnow (Pimephales promelas))
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetraammonium salt (22473-78-5)	
LC50 Fish 1	705 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)	
LC50 Fish 1	134 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

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ErC50 algae	0.11 mg/l (72 hour)
Eugenol (97-53-0)	
LC50 Fish 1	24 mg/l

12.2. Persistence and Degradability

All-Purpose Cleaning Wipes	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

All-Purpose Cleaning Wipes	
Bioaccumulative Potential	Not established.
Triethylene glycol (112-27-6)	
Partition coefficient n-octanol/water (Log Pow)	-1.98 (at 25 °C)

12.4. Mobility in Soil Not available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

- 14.1. In Accordance with DOT Not regulated for transport
- 14.2. In Accordance with IMDG Not regulated for transport
- 14.3. In Accordance with IATA Not regulated for transport
- 14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Triethylene glycol (112-27-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed Section 4 test rule under TSCA.
Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, tetraammonium salt (22473-78-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Eugenol (97-53-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. US State Regulations

Triethylene glycol (112-27-6)	
U.S. - Pennsylvania - RTK (Right to Know) List	

15.3. Canadian Regulations

Water (7732-18-5)	
Listed on the Canadian DSL (Domestic Substances List)	

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Triethylene glycol (112-27-6)
Listed on the Canadian DSL (Domestic Substances List)
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)
Listed on the Canadian DSL (Domestic Substances List)
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetraammonium salt (22473-78-5)
Listed on the Canadian DSL (Domestic Substances List)
1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)
Listed on the Canadian DSL (Domestic Substances List)
Eugenol (97-53-0)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 09/07/2021

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1B	Skin sensitization, category 1B
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.