

All Purpose Cleaner Concentrate 16:1 Orange & Rosemary

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 02/21/2020

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SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : All Purpose Cleaner Concentrate 16:1 Orange & Rosemary
Product code : 1184

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Cleansing product

1.3. Supplier

Grove Collaborative
1301 Sansome St.
San Francisco, 94111 - United States
T 425-830-0101
www.grove.com

1.4. Emergency telephone number

Emergency number : 425-830-0101

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2 H315 Causes skin irritation
Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage
Hazardous to the aquatic environment - Acute Hazard Category 3 H402 Harmful to aquatic life

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) :
H315 - Causes skin irritation
H318 - Causes serious eye damage
H402 - Harmful to aquatic life

Precautionary statements (GHS US) :
P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a poison center or doctor
P321 - Specific treatment (see supplemental first aid instruction on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
DEIONIZED WATER	(CAS-No.) 7732-18-5	50 - 75
LAURAMINE OXIDE	(CAS-No.) 70592-80-2	3 - 14
ALCOHOL ETHOXYLATE NONIONIC	(CAS-No.) 34398-01-1	1 - 10
SODIUM IMINODISUCCINATE	(CAS-No.) 144538-83-0	1 - 10
SODIUM GLUCONATE	(CAS-No.) 527-07-1	1 - 10
POTASSIUM CARBONATE	(CAS-No.) 584-08-7	1 - 10
BENZISOTHIAZOL AND METHYLISOTHIAZOL	(CAS-No.) 2634-33-5 and (CAS-No.) 2682-20-4	1 - 5
SODIUM LAURIMINODIPROPIONATE	(CAS-No.) 14960-06-6	1 - 5
CITRIC ACID	(CAS-No.) 77-92-9	0.1 - 1
ESSENTIAL OILS & BOTANICAL EXTRACTS* (FRAGRANCE)	Mixture	0.1 - 1

* Citrus Aurantifolia (Lime) Peel Oil, Cedrus Atlantica Oil, Lavandula Angustifolia (Lavender) Oil, Eucalyptus Globulus (Eucalyptus) Oil, Terpineol Alpha, Rosmarinus Officinalis (Rosemary) Leaf Oil, Pelargonium Graveolens (Geranium) Oil, Triethyl Citrate, Citrus Aurantium Dulcis (Orange) Peel Oil

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Rinse skin with water/shower. Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	: If swallowed, seek medical advice immediately and show this container or label. Rinse mouth out with water. Do not induce vomiting.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms	: Causes serious eye irritation. Causes skin irritation. Harmful if swallowed.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Adapt extinguishing media to the environment for surrounding fires.
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5.2. Specific hazards arising from the chemical

Fire hazard	: Not easily combustible.
Explosion hazard	: No direct explosion hazard.
Reactivity in case of fire	: Product is not explosive.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance.
Protection during firefighting	: Wear recommended personal protective equipment. Wear fire/flammable resistant/retardant clothing. Self-contained breathing apparatus.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Clean up any spills as soon as possible, using an absorbent material to collect it. Warning! Product may cause floors to be slippery.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Gloves (EN 374).

Emergency procedures : Avoid contact with skin and eyes. Do not breathe vapors. Evacuate unnecessary personnel. Keep upwind. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. Use self-contained breathing apparatus. Wear fire/flammable resistant/retardant clothing.

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Harmful to aquatic life. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Collect spillage. Contain released product, pump into suitable containers. Do not touch or walk on the spilled product. Stop leak, if possible without risk.

Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Avoid contact with skin and eyes. Clean contaminated clothing. Do not breathe vapors. Ensure good ventilation of the work station.

Hygiene measures : Observe normal hygiene standards.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Ensure adequate ventilation, especially in confined areas. Store in a well-ventilated place. Keep container tightly closed.

Storage conditions : Keep container tightly closed. Store in a dry place. Store in a well-ventilated place.

Incompatible products : Oxidizing agent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

DEIONIZED WATER (7732-18-5)

No additional information available

LAURAMINE OXIDE (70592-80-2)

No additional information available

ALCOHOL ETHOXYLATE NONIONIC (34398-01-1)

No additional information available

SODIUM IMINODISUCCINATE (144538-83-0)

No additional information available

SODIUM GLUCONATE (527-07-1)

No additional information available

POTASSIUM CARBONATE (584-08-7)

No additional information available

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BENZISOTHIAZOL AND METHYLISOTHIAZOL (2634-33-5, 2682-20-4)
No additional information available
SODIUM LAURIMINODIPROPIONATE (14960-06-6)
No additional information available
CITRIC ACID (77-92-9)
No additional information available
ESSENTIAL OILS & BOTANICAL EXTRACTS* (FRAGRANCE)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. Wear recommended personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Safety glasses. Gloves.

Respiratory protection:

Wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Colorless
Odor	: Fruity
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available

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Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

LAURAMINE OXIDE (70592-80-2)	
ATE US (oral)	500 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

POTASSIUM CARBONATE (584-08-7)	
LD50 oral rat	> 2000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight (24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 inhalation rat (mg/l)	> 4.96 mg/l (4.5 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))

SODIUM LAURIMINODIPROPIONATE (14960-06-6)	
LD50 oral rat	31300 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
ATE US (oral)	31300 mg/kg body weight

CITRIC ACID (77-92-9)	
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE US (oral)	5400 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

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STOT-single exposure : Not classified

POTASSIUM CARBONATE (584-08-7)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

SODIUM LAURIMINODIPROPIONATE (14960-06-6)	
NOAEL (oral, rat, 90 days)	160 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: EPA OPPTS 870.3650, July 2000

CITRIC ACID (77-92-9)	
LOAEL (oral, rat, 90 days)	8000 mg/kg body weight Animal: rat
NOAEL (oral, rat, 90 days)	4000 mg/kg body weight Animal: rat

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Potential Adverse human health effects and symptoms : Causes serious eye irritation. Causes skin irritation. Harmful if swallowed.

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms. Harmful to aquatic life.

POTASSIUM CARBONATE (584-08-7)	
LC50 fish 1	200 mg/l (72 h, Pisces, Literature study)
EC50 Daphnia 1	200 mg/l (FIFRA 72-1, 48 h, Daphnia pulex, Static system, Fresh water, Experimental value, GLP)
LC50 fish 2	68 mg/l (FIFRA 72-1, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, GLP)

SODIUM LAURIMINODIPROPIONATE (14960-06-6)	
LC50 fish 1	4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 Daphnia 1	5.7 mg/l Test organisms (species): Daphnia magna
EC50 Daphnia 2	1.71 mg/l Test organisms (species): Daphnia magna
NOEC (chronic)	1.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

CITRIC ACID (77-92-9)	
LC50 fish 1	440 - 760 mg/l (Equivalent or similar to OECD 203, 48 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)

12.2. Persistence and degradability

SODIUM GLUCONATE (527-07-1)	
Persistence and degradability	Biodegradability in water: no data available.

POTASSIUM CARBONATE (584-08-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

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POTASSIUM CARBONATE (584-08-7)	
BOD (% of ThOD)	Not applicable
CITRIC ACID (77-92-9)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.42 g O ₂ /g substance
Chemical oxygen demand (COD)	0.728 g O ₂ /g substance
ThOD	0.686 g O ₂ /g substance
BOD (% of ThOD)	0.89 (20 day(s), Literature study)

12.3. Bioaccumulative potential

SODIUM GLUCONATE (527-07-1)	
Bioaccumulative potential	No bioaccumulation data available.
POTASSIUM CARBONATE (584-08-7)	
Bioaccumulative potential	Bioaccumulation: not applicable.
CITRIC ACID (77-92-9)	
BCF other aquatic organisms 1	3.2 l/kg (Calculated value)
Log Pow	-1.8 - -1.55 (Experimental value)
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

POTASSIUM CARBONATE (584-08-7)	
Ecology - soil	No (test)data on mobility of the substance available.
CITRIC ACID (77-92-9)	
Ecology - soil	No (test)data on mobility of the substance available.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

No additional information available

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

DEIONIZED WATER (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
LAURAMINE OXIDE (70592-80-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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ALCOHOL ETHOXYLATE NONIONIC (34398-01-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	FRI - FRI - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used. PMN - PMN - indicates a commenced PMN substance. XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
SODIUM IMINODISUCCINATE (144538-83-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.
SODIUM GLUCONATE (527-07-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
POTASSIUM CARBONATE (584-08-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SODIUM LAURIMINODIPROPIONATE (14960-06-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CITRIC ACID (77-92-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

CANADA

DEIONIZED WATER (7732-18-5)	
Listed on the Canadian DSL (Domestic Substances List)	
LAURAMINE OXIDE (70592-80-2)	
Listed on the Canadian DSL (Domestic Substances List)	
ALCOHOL ETHOXYLATE NONIONIC (34398-01-1)	
Listed on the Canadian DSL (Domestic Substances List)	
SODIUM IMINODISUCCINATE (144538-83-0)	
Listed on the Canadian DSL (Domestic Substances List)	
SODIUM GLUCONATE (527-07-1)	
Listed on the Canadian DSL (Domestic Substances List)	
POTASSIUM CARBONATE (584-08-7)	
Listed on the Canadian DSL (Domestic Substances List)	
BENZISOTHIAZOL AND METHYLISOTHIAZOL (2634-33-5, 2682-20-4)	
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)	
SODIUM LAURIMINODIPROPIONATE (14960-06-6)	
Listed on the Canadian DSL (Domestic Substances List)	
CITRIC ACID (77-92-9)	
Listed on the Canadian DSL (Domestic Substances List)	

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

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SECTION 16: Other information

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Full text of H-phrases:

H315	Causes skin irritation
H318	Causes serious eye damage
H402	Harmful to aquatic life

SDS US (GHS HazCom 2012)

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.