

Glass Cleaner Concentrate – Orange & Rosemary

MATERIAL SAFETY DATA SHEET

1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION

1.1	Product identifier Product Name CAS No.	Glass Cleaner Concentrate – Orange & Rosemary Mixture.
1.2	Relevant identified uses of the substance or mixture and uses advised against Identified use(s) Uses advised against	Dilute into a glass cleaner solution. Do not use this concentrate for cleaning without dilution.
1.3	Details of the supplier of the product Company Identification Telephone	Grove Collaborative 1301 Sansome Street San Francisco, CA 94111 (425) 830-0101
1.4	Emergency telephone number Emergency Phone No.	(425) 830-0101 [8am-5pm M-F (UTC -7)]
1.5	Contact E-mail	Maudino@grove.co

2. SECTION 2: HAZARDS IDENTIFICATION

"Consumer Products", defined by the US Consumer Product Safety Act and are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided to assist in the safe handling and proper use of the product.

2.1	Classification of the substance or mixture GHS 29 CFR 1910.1200	Skin corrosion/irritation – Category 3 Hazardous to the Aquatic Environment, Long Term Hazard – Category 4
2.2	Label elements Hazard pictogram(s) Signal word(s) Hazard statement(s) Precautionary statement(s)	None None H316 – Causes mild skin irritation H413 – Hazardous to the Aquatic Environment, Long Term Hazard IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention. IF SWALLOWED: Drink plenty of water. Do NOT induce vomiting. Call a poison center or doctor if you feel unwell.

IF ON SKIN: Rinse with plenty of water. If skin irritation occurs: get medical advice/attention.

IF INHALED: N/A

2.3 Other hazards None.

2.4 Additional Information None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

29 CFR 1910.1200

Ingredient(s)	%W/W	CAS No.
Water	80-90	7732-18-5
Caprylyl/myristyl glucoside	4-8	110615-47-9
Sodium gluconate	2-3	527-07-1
Potassium carbonate	2-3	584-08-7
Tetrasodium glutamate diacetate	0.1-1	51981-21-6
Fragrance (Orange & Rosemary)	0.1-1	N/A
1,2-benzisothiazolin-3-one, 2-methyl-4-isothiazolin-3-one	< 0.2%	2682-20-4, 2634-33-5

3.2 Additional Information None.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

N/A

Skin Contact

Rinse with plenty of water. If skin irritation occurs: get medical advice/attention.

Eye Contact

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

Ingestion

Drink plenty of water. Do NOT induce vomiting. Call a poison center or doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Water spray, foam, dry powder or CO2.

Unsuitable Extinguishing Media

None known.

5.2 Special hazards arising from the substance or mixture

None anticipated.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. Ensure adequate ventilation. Wear personal protective equipment.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Household Handling	Small spills and leaks may be cleaned up and disposed of in household trash or diluted and disposed of down drain.
Industrial Handling	Stop spill at source and contain material. Adsorb spillages onto sand, earth or any suitable adsorbent material. Dispose of liquid and adsorbent material in accordance with all applicable local, state, and federal regulations. Small amounts may be flushed to a sewer.
6.4 Reference to other sections	See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

General hygiene measures for the handling of chemicals are applicable.

7.1 Precautions for safe handling	
Household Handling	Use as directed on product label. Wash hands and exposed skin after use. Do not eat, drink or smoke when using this product.
Industrial Handling	Wear suitable personal protective equipment. Wash hands and exposed skin after use.
7.2 Conditions for safe storage, including any incompatibilities	KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container in a cool, dry location and keep container closed after use.
Storage Temperature	Ambient.
Storage Life	Stable under normal conditions.
Incompatible materials	None know.
7.3 Specific end use(s)	Dilute into a glass cleaner solution.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
8.1.1 Occupational Exposure Limits	Not established.
8.1.2 Biological limit value	Not established.
8.1.3 PNECs and DNELs	Not established.
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Provide adequate ventilation.
8.2.2 Personal protection equipment	
Household Handling	No special precautions necessary as long as product is used as directed.
Industrial Handling	
Eye/face protection	Wear protective eye glasses for protection against liquid splashes or solid spills.
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely. Wear impervious gloves (EN374).
Respiratory protection	Normally no personal respiratory protection is necessary.
Thermal hazards	Not applicable.
8.2.3 Environmental Exposure Controls	Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid.
Color	Amber.
Odor	Fragranced (Orange & Rosemary)
pH (1% solution)	11.0-11.4
Solubility	Soluble in water.
9.2 Other information	None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4	Conditions to avoid	No conditions to avoid known.
10.5	Incompatible materials	Strong oxidizers or reducing agents, strong acids or strong bases.
10.6	Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Ingredient(s)	CAS No.	Oral LD 50 (Rat)	Dermal LD 50 (Mouse)	Inhalation LC 50 (Rat)
Water	7732-18-5	Not listed	Not listed	Not listed
Caprylyl/myristyl glucoside	110615-47-9	> 2000 mg/kg	> 2000 mg/kg	Not listed
Sodium gluconate	527-07-1	> 2000 mg/kg	7630 mg/kg	Not listed
Potassium carbonate	584-08-7	1870 mg/kg	Not listed	Not listed
Tetrasodium glutamate diacetate	51981-21-6	Not listed	Not listed	Not listed
Fragrance (Orange & Rosemary)	N/A	> 2000 mg/kg	Not listed	Not listed
1,2-benzisothiazolin-3-one, 2-methyl-4-isothiazolin-3-one	2682-20-4, 2634-33-5	> 2500 mg/kg	> 2000 mg/kg	5.71 mg/L

Acute toxicity	None anticipated.
Irritation	Causes mild skin irritation.
Corrosivity	None anticipated.
Sensitisation	None anticipated.
Repeated dose toxicity	None anticipated.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ingredient(s)	CAS No.	Fish LC 50 (96h)	Daphnea EC 50 (48h)
Water	7732-18-5	Not listed	Not listed
Caprylyl/myristyl glucoside	110615-47-9	10-100 mg/L (L. macrochius)	Not listed
Sodium gluconate	527-07-1	> 1000 mg/L	> 100 mg/L (Daphnia pulex)
Potassium carbonate	584-08-7	510 mg/L (Pimephelas promelas)	Not listed
Tetrasodium glutamate diacetate	51981-21-6	> 100 mg/L	> 100 mg/L
Fragrance (Orange & Rosemary)	N/A	Not listed	Not listed
1,2-benzisothiazolin-3-one, 2-methyl-4-isothiazolin-3-one	2682-20-4, 2634-33-5	Not listed	32 mg/L (Daphnia)

12.2 Persistence and degradability	No information available.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	No information available.
12.5 Results of PBT and VPVB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Use appropriate tools to put the spilled substance in a convenient waste disposal container. Finish cleaning by spreading soap and water on the contaminated surface.
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13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not regulated for transport in accordance with US DOT Regulations.

14.1 UN number	Not applicable.
14.2 UN Proper Shipping Name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing Group	Not applicable.
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.2 GHS	Created in accordance with the CPSC's implementation of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

16. SECTION 16: OTHER INFORMATION

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

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