

Wrinkle Release – Free & Clear

**MATERIAL SAFETY DATA SHEET**

**1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION**

<b>1.1 Product identifier</b>	Product Name	Wrinkle Release – Free & Clear
	CAS No.	Mixture.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Identified use(s)	Wrinkle release spray for use on laundry.
	Uses advised against	None known
<b>1.3 Details of the supplier of the product</b>	Company Identification	Grove Collaborative 1301 Sansome Street San Francisco, CA 94111
	Telephone	(425) 830-0101
<b>1.4</b>	Emergency telephone number Emergency Phone No.	(425) 830-0101 [8am-5pm M-F (UTC -7)]
<b>1.5</b>	Contact E-mail	Smiller@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.

<b>2.1 Classification of the substance or mixture</b>	GHS 29 CFR 1910.1200
<b>2.2 Label elements</b>	None
	Signal word(s)
	Hazard statement(s)
	Precautionary statement(s)
<b>2.3 Other hazards</b>	None.

**None**  
Skin corrosion/irritation – Category 3  
Eye damage/irritation – Category 2B

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

IF SWALLOWED: Drink plenty of water. Do NOT induce vomiting. Call poison control if person feels unwell.

IF ON SKIN: Rinse with plenty of water. If skin irritation occurs, get medical attention. Wash hands thoroughly after handling.

**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	90-98	7732-18-5
C12-16 pareth-9	0.5-2.5	68551-12-2
Di(palmiticcarboxyethyl) Hydroxyethyl Methyl Ammonium Methylsulfate	0.5-2.5	91995-81-2
Ethyl alcohol	0.2-0.5	64-17-5
Phenoxyethanol	0.1-0.5	122-99-6

**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. If eye irritation persists: get medical advice/attention. Wash hands thoroughly after handling.

Ingestion

Not an expected route of exposure. If swallowed: Clean mouth with water and 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 CO<sub>2</sub>.

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.

<b>7.1</b>	<b>Precautions for safe handling</b>	
	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.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>	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.
<b>7.3</b>	<b>Specific end use(s)</b>	Wrinkle release spray for use on laundry.

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1</b>	<b>Control parameters</b>	
<b>8.1.1</b>	<b>Occupational Exposure Limits</b>	Not established.
<b>8.1.2</b>	<b>Biological limit value</b>	Not established.
<b>8.1.3</b>	<b>PNECs and DNELs</b>	Not established.
<b>8.2</b>	<b>Exposure controls</b>	
<b>8.2.1</b>	<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>8.2.2</b>	<b>Personal protection equipment</b>	
	Household Handling	No special precautions necessary as long as product is used as directed.
	Industrial Handling	
	Eye/face protection	Use personal protective equipment as required.
	Skin protection (Hand protection/ Other)	Use personal protective equipment as required.
	Respiratory protection	Normally no personal respiratory protection is necessary.
	Thermal hazards	Not applicable.
<b>8.2.3</b>	<b>Environmental Exposure Controls</b>	Do not release large quantities into the surface water or into drains.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
	Appearance	Liquid.
	Color	Clear/off-clear.
	Odor	Unfragranced.
	Solubility	Soluble in water.
<b>9.2</b>	<b>Other information</b>	None.

## 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b>	Stable under normal conditions.
<b>10.2</b>	<b>Chemical stability</b>	Stable under normal conditions.
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	No hazardous reactions known if used for its intended purpose.
<b>10.4</b>	<b>Conditions to avoid</b>	Cleaning products should not be mixed with other household chemicals unless specifically provided according to label directions.

- 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)
Di(palmiticcarboxyethyl) Hydroxyethyl Methyl Ammonium Methylsulfate	91995-81-2	> 2,000 mg/kg	> 2,000 mg/kg	Not listed

- Acute toxicity** None anticipated.
- Irritation** Causes mild skin and eye 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** No information available.

Ingredient(s)	CAS No.	Fish LC 50 (96h)	Daphnea EC 50 (48h)
C12-16 pareth-9	68551-12-2	1.4 mg/L	Not listed
Di(palmiticcarboxyethyl) Hydroxyethyl Methyl Ammonium Methylsulfate	91995-81-2	1.9 – 4.9 mg/L	2.23 mg/L

- 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.
- 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**

## 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

### Disclaimers

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