

Rezto™ ESD Hand Lotion Application Instructions



Made in the
United States of America



Figure 1. Rezto™ ESD Hand Lotion

Description

Desco Industries, Inc. Rezto™ ESD Hand Lotion and Rezto™ Clean Hand Lotion are specially formulated for use in the electronic manufacturing environment. Per ESD Handbook TR20.20 paragraph 5.3.2.4.3 Test Procedure, "If the [wrist strap test] resistance is still too high, dry skin might be the problem. Dry skin conditions can be resolved by applying moisturizing lotion on the wrist and repeating the resistance test again. The moisturizing lotion should be one that is compatible with process requirements." The moisturizing hand lotion can be used to enhance the effectiveness of ESD control wrist straps, particularly for individuals with dry skin. It will absorb immediately into the skin without interfering with grip or dexterity. The lotion is free of chemicals that may adversely affect solderability or cause corrosion of electronic components. Rezto™ Hand Lotion is available in 8 oz. (235 mL) plastic bottles (sold in cartons of twelve bottles) and in 32 oz. (1 litre) bottles with pumps.

Rezto™ Hand Lotion can also be used with ESD footwear. Per ESD Handbook TR20.20 section 5.3.3.5 Common Testing Problems "Occasionally, footwear may indicate a high resistance. Outside of the shoe material itself being a contributor to high resistance, the wearer's skin (if dry), heavy or insulative socks, or the absence of a sweat layer due to differences in temperature between the inner surfaces of the shoes and the wearer's feet."

General Guidelines

Rezto™ Hand Lotion can be applied to hands and wrists to increase the conductivity of the skin and reduce skin dryness. It is not recommended for application to the face. The lotion is chemically and biologically stable and is free of soaps, glycerin, lanolin, silicone and mineral oil. Avoid contact with eyes. If eye contact occurs wash with water.

Directions

Apply a small amount of Rezto™ Hand Lotion onto the palm of the hand. Using your hands, rub the lotion into skin areas which are either dry or where increased conductivity is desired, especially on the wrists where the wrist strap will be in direct contact. Gently rub the lotion into the skin until it is absorbed. Remove the excess lotion with a towel.

Physical Properties

| | |
|------------------------------|--|
| Color | White |
| Odor (Clean Lotion) | Unscented |
| Odor (Regular Lotion) | Peach fragrance |
| pH | 7.5 ± .5 |
| % Solids | 7.5 ± 2% |
| Contaminants | No soap, lanolin, silicones, or mineral oil |
| Package: | 8 oz. (235 mL) plastic squeeze bottles 32 oz. (1 L) bottle with pumps |
| Freeze | Passes three freeze-thaw cycles |

Features - Benefits

- Moisturizing formula improves wrist strap contact with skin and relieves chapping and insulating dry skin
- Free of contaminants so that nothing is transferred to the work
- Non-acidic to prevent corrosion of electronic components
- Contains aloe vera, moisturizers, and vitamins to promote healing and help achieve healthier hands and nails
- No lanolin, silicone, mineral oil, or insulators that will contaminate electronic components

Storage

Rezto™ Hand Lotion does not have a set life span. The chemicals are not known to degrade over time when stored at the proper temperature conditions as stated in the Safety Data Sheet. We also recommend that this product be stored in its original container and be sealed when not in use.

RoHS, REACH, and Conflict Minerals Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:

<http://www.descoindustries.com/ROHS.aspx>

Desco Industries Limited Warranty

See the Desco Industries Limited Warranty:

<http://www.descoindustries.com/Warranty.aspx>

Reztore™ ESD Hand Lotion and Reztore™ Clean Hand Lotion are available from these Desco Industries brands:

MENDA

for service and support in North America

| | | |
|-----------|-----------|-----------------------|
| 8 Ounces | Scented | 35660 |
| 8 Ounces | Unscented | 35659 |
| 32 Ounces | Scented | 35661 |
| 32 Ounces | Unscented | 35667 |



for service and support in United Kingdom

| | |
|-----------------|-----------------------|
| 235 Millilitres | 70950 |
| 1 Litre | 70951 |

Vermason

for service and support in United Kingdom

| | |
|-----------------|------------------------|
| 235 Millilitres | 229630 |
|-----------------|------------------------|

DESCO ASIA

for service and support in Asia

| | |
|-----------|-----------------------|
| 8 Ounces | 35660 |
| 32 Ounces | 35661 |

DESCO JAPAN

for service and support in Japan

| | |
|-----------|-----------------------|
| 8 Ounces | 35660 |
| 32 Ounces | 35661 |

Safety Data Sheet

May be used to comply with ANSI Z400.1-2004, 29 CFR 1910.1200, Regulation (EC) No 1272/2008 (CLP Regulation) and GHS. Standards must be consulted for specific requirements.

NFPA Designation 704

Degree of Hazard

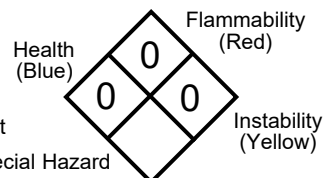
4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant



Revision Date: 2016-10-24

HMIS RATING: Health 1, Flammability 0, Physical Hazard 0, Personal Protection B

SECTION 1 — IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product Name: Reztore™ ESD Hand Lotion and Reztore™ Clean Hand Lotion
EC No.: None
REACH Registration No.: None
CAS No.: None

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: ESD Hand Lotion

1.3 Details of the supplier of the safety data sheet

Manufacturer: Desco Industries, Inc.
One Colgate Way.
Canton, MA 02021
781-821-8370
Email Address: Service@DescoIndustries.com

1.4 Emergency telephone number

Emergency Number: 781-821-8370

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

N/A

2.2 Label elements

Symbol: None
Signal word: None
Hazard statements: (H302): Harmful if swallowed.
(H319): Causes eye irritation.
Precautionary statements: (P305+351+338+337+313): IF IN EYES: 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/attention.
(P301+331+315+101): IF SWALLOWED: do NOT induce vomiting; get immediate medical advice/attention. If medical advice is needed, have product container or label at hand.
(P102): Keep out of reach of children.
(P233): Keep container tightly closed.
(P262): Do not get in eyes, on skin or on clothing.
(P264): Wash thoroughly after handling.

2.3 Other hazards

N/A

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

None of the ingredients present are above their hazard cutoff values as defined by the GHS*

*Globally Harmonized System of Classification and Labelling of Chemicals (GHS) 2013 Fifth revised edition, Section 1.5.3, Table 1.5.1 and Table 1.5.2.

3.1 Substances

N/A

3.2 Mixtures

N/A

SECTION 4 — FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|--------------|--|
| 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/attention. |
| Skin Contact | N/A |
| Ingestion | DO NOT induce vomiting, may cause damage to mouth, throat, or esophagus. Contact a physician. |
| Inhalation | N/A |

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

SECTION 5 — FIRE FIGHTING MEASURES

5.1 Extinguishing media

| | |
|----------------------------------|--|
| Suitable Extinguishing Media | The product is not flammable. Extinguish fire using media suitable for surrounding fire. |
| Unsuitable Extinguishing Methods | N/A |

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

In the event of fire wear self-contained breathing apparatus (SCBA) and full protective gear.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wearing protective clothing. Wear proper eye protection.

6.2 Environmental precautions

Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

6.3 Methods and materials for containment and cleaning up

Soak up with sawdust, sand or other absorbent material. Shovel or sweep up. Flush spill area with water. Mop up spills immediately. Wet floor may present slip hazard.

6.4 Reference to other sections

See SECTION 13, Disposal Considerations, for information regarding the disposal of contained spills.

SECTION 7 — HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes. Do not swallow. Wear gloves and safety glasses or goggles if handling large quantities. For external use only.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature: Max. 49°C/120°F - 1°C/34°F. Keep from freezing. Keep out of reach of children.

7.3 Specific end use(s)

N/A

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

N/A

8.2 Exposure controls

Individual protection measures

| | |
|-------------------------|--|
| Eye Protection | Avoid contact with eyes. Use safety eye wear with splash guards or side shields (ANSI Z-87.1). |
| Work/Hygienic Practices | Wash hands before eating, smoking, or using washroom facilities. |

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Appearance: | Viscous Liquid |
| Color: | White |
| Odor: | Unscented (Clean Lotion); Peach fragrance (Regular Lotion) |
| Odor Threshold: | N/A |
| pH: | 7.0 - 8.0 |
| Melting Point: | 45°C |
| Boiling Point: | >212°F (100°C) |
| Flash Point: | Noncombustible |
| Evaporation rate: | N/A |
| Flammability: | Classification according to EC-regulations "non-flammable" |
| Upper flammability or explosive limits: | N/A |
| Lower flammability or explosive limits: | N/A |
| Vapor Pressure (mm Hg): | N/A |
| Vapor Density (air=1): | N/A |
| Relative Density: | 8.5 - 9 lbs/gal |
| Specific Gravity (H ₂ O = 1) | 1.0 - 1.1 |
| Solubility: | Soluble |
| Partition coefficient: | N/A |
| Auto-ignition temperature: | N/A |
| Decomposition temperature: | N/A |
| Viscosity: | N/A |
| Explosive properties: | N/A |
| Oxidizing properties: | N/A |

9.2 Other information

N/A

SECTION 10 — STABILITY AND REACTIVITY

10.1 Reactivity

Stable product at normal conditions.

10.2 Chemical stability

Stable product at normal conditions.

10.3 Possibility of hazardous reactions

N/A

10.4 Conditions to avoid

Temperatures above 49°C/120°F and below 1°C/34°F

10.5 Incompatible materials

Avoid contamination with strong acids and oxidizing agents.

10.6 Hazardous decomposition products

Thermal decomposition may yield carbon monoxide.

SECTION 11 — TOXICOLOGICAL INFORMATION

None of the ingredients present are above their hazard cutoff values as defined by the GHS*

*Globally Harmonized System of Classification and Labelling of Chemicals (GHS) 2013 Fifth revised edition, Section 1.5.3, Table 1.5.1 and Table 1.5.2.

11.1 Information on toxicological effects

N/A

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity

N/A

12.2 Persistence and degradability

N/A

12.3 Bioaccumulative potential

Not likely.

12.4 Mobility in soil

The product is aqueous and will be separated in aqueous conditions.

12.5 Results of PBT and vPvB assessment

N/A

12.6 Other adverse effects

N/A

12.7 Additional information

None hazardous.

SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|---------|--|
| Product | No special precaution. Dispose of contents/container in compliance with all Federal, National and Local regulations. |
|---------|--|

13.2 Additional information

N/A

SECTION 14 — TRANSPORT INFORMATION

This product is not classified for transport under ADR/IMDG regulations.
This product is not classified as a flammable liquid according to DOT and IATA transportation standards and is not regulated as such.

| | |
|----------------|-----|
| 14.1 UN Number | N/A |
|----------------|-----|

| | |
|------------------------------|-----|
| 14.2 UN proper shipping name | N/A |
|------------------------------|-----|

| | |
|---------------------------------|-----|
| 14.3 Transport hazard class(es) | N/A |
|---------------------------------|-----|

| | |
|--------------------|-----|
| 14.4 Packing group | N/A |
|--------------------|-----|

| | |
|----------------------------|-----|
| 14.5 Environmental hazards | N/A |
|----------------------------|-----|

| | |
|-----------------------------------|-----|
| 14.6 Special precautions for user | N/A |
|-----------------------------------|-----|

| | |
|---|-----|
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code | N/A |
|---|-----|

SECTION 15 — REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

| | |
|------------------------------|--|
| Physical/Chemical Indication | Non-flammable |
| EINECS Status | All components are included in the EINECS Inventories. |
| TSCA | All ingredients of this product are listed or are excluded from the listing on the U.S. Toxic Substance Control Act (TSCA) Chemical Substance inventory. |
| REACH | This product does not require REACH registration. |
| WHIMIS | This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. |

SECTION 16 — OTHER INFORMATION

HMIS RATING Health 1, Reactivity 0, Flammability 0, Personal Protection B
NFPA RATING Special Hazard: N/A, Health: 0, Flammability: 0, Instability: 0
SDS Updated **2016-10-24**

Disclaimer

OTHER INFORMATION: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.