

Reztore® ESD Hand Lotion & Clean Hand Lotion

Application Instructions



Made in the
United States of America



Figure 1. Reztore® ESD Hand Lotion

Description

Desco Industries Reztore® ESD Hand Lotion and Reztore® 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. Reztore® 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.

Reztore® 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

Reztore® 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 Reztore® 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

Reztore® 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 Desco Industries RoHS, REACH, and Conflict Minerals Statement:

DescoIndustries.com/ROSH.aspx

Desco Industries Limited Warranty

See Desco Industries Limited Warranty:

DescoIndustries.com/Warranty.aspx

Reztore® ESD Hand Lotion and Reztore® Clean Hand Lotion are available from these 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](#)

DESCO EUROPE

for service and support in United Kingdom and Europe

235 Millilitres [229630](#)

DESCO ASIA

for service and support in Asia

8 Ounces [35660](#)

32 Ounces [35661](#)

SAFETY DATA SHEET

May be used to comply with OSHA Hazcom 29 CFR 1910.1200, Reg. (EU) No.453/2010 and Japan JIS 7253-2012). Standards must be consulted for specific requirements.

Revision Date: 2018-03-26

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

Supplier: DESCO INDUSTRIES INC

United State
One Colgate Way
Canton, MA 02021
+1 781-821-8370

United Kingdom
2A Dunhams Lane
Letchworth Garden City
Hertfordshire, SG6 1BE
+44 (0) 1462 672005

Japan
661-1 Yachimata-ho
Yachimata-Shi
Chiba-Ken 289-1115
+81 43-309-4470

Email Address: Service@DescolIndustries.com

1.4 Emergency telephone number

United State: +1 781-821-8370
United Kingdom: +44 (0) 1462 672005
Japan: +81 43-309-4470

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Classification according to OSHA Hazcom 29 CFR 1910.1200, Regulation (EC) No 1272/2008, JIS 7252-2014
The product is not hazardous under the criteria for classification in any hazard class.

2.2 Label elements

According to OSHA Hazcom 29 CFR 1910.1200, Regulation (EC) No 1272/2008, JIS 7252-2014
No label element(s) required.

2.3 Other hazards None known

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

According to OSHA Hazcom 29 CFR 1910.1200, Regulation (EC) No 1272/2008, JIS 7252-2014
The product does not meet the criteria for classification. None of the components shall be listed as a substance in the mixture.

SECTION 4 — FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact Not expected to cause eye irritation. If adverse effect occurs, flush eyes with water.

Skin Contact Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.

Ingestion May cause upset stomach. Drink plenty of water to dilute.

Inhalation Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 — FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Methods N/A

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture: Unknown

Hazardous thermal decomposition products: Unknown

5.3 Advice for firefighter

Special protective actions for fire-fighters: Cool endangered receptacles with water spray. Remove containers from path of fire when safe to do so. Do not approach containers suspected to be hot.

Special protective equipment for fire fighters: Wear self-contained breathing apparatus and protective suit.

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

Ensure adequate ventilation. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place in original container and protect from sunlight. Keep container tightly sealed. Store in original container away from food stuff containers.

Storage temperature: Max. 49°C/120°F Min. 1°C/34°F

7.3 Specific end uses

Recommendations: Anti-static lotion for hands.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters N/A

8.2 Exposure controls

Individual protection measures

Eye Protection May use without safety glasses.

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:	Non applicable
pH:	7.0 - 8.0
Melting Point:	45°C
Boiling Point:	>212°F (100°C)
Flash Point:	Noncombustible
Evaporation rate:	Not determined
Flammability:	Classification according to EC-regulations "non-flammable"
Upper flammability or explosive limits:	Non applicable
Lower flammability or explosive limits:	Non applicable
Vapor Pressure (mm Hg):	Non applicable
Vapor Density (air=1):	Non applicable
Relative Density:	8.5 - 9 lbs/gal
Specific Gravity (H ₂ O = 1)	1.0 - 1.1
Solubility:	Soluble
Partition coefficient:	Non applicable
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Non applicable
Explosive properties:	Non applicable
Oxidizing properties:	Non applicable

9.2 Other information Non applicable

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

No further relevant information available.

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

11.1 Information on toxicological effects

None known.

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

The product is aqueous.

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Product:

Additional ecological information

According to experience and to the information currently available, the product has no harmful effects on the environment if used correctly as intended.

SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Contain and collect material into plastic container. Water rinse and drain, flush small amounts. Follow state 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

Non applicable

14.2 UN proper shipping name

Non applicable

14.3 Transport hazard class(es)

Non applicable

14.4 Packing group

Non applicable

14.5 Environmental hazards

Non applicable

14.6 Special precautions for user

See SECTIONS 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Non applicable

SECTION 15 — REGULATORY INFORMATION

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

SARA Title III - Hazardous Chemical Inventory

Section 304

This product does not contain any component with a section 304 EHS RQ.

Section 311/312

This product does not have any SARA Hazard.

Section 302

No chemicals in this product are subject to the reporting requirements of SARA Title III, Section 302.

Section 313

No chemicals in this product are subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

The components of this product are reported in the following inventories:

EINECS Status

All components of this product are listed or excluded from the EINECS Inventories.

TSCA

All components of this product are listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory

REACH

This product does not required REACH registration according to Regulation (EC) 1272/2008.

SECTION 16 — OTHER INFORMATION

HMIS RATING Health 0, Reactivity 0, Flammability 0, Personal Protection B
NFPA RATING Special Hazard: N/A, Health: 0, Flammability: 0, Instability: 0
SDS Updated 2018-03-26

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.