Application Instructions Reztore™ ESD Hand Lotion and Reztore™ Clean Hand Lotion

Made in the United States of America



Figure 1. Reztore™ ESD Hand Lotion.

Description

Desco Industries, Inc. 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.

Specifications

Color:	White
Odor (Clean Lotion):	Unscented
Odor (Regular Lotion):	Peach fragrance
pH:	7.5 ± .5
Contaminants:	No soap, lanolin, silicones, or mineral oil
% Solids:	7.5 ± 2%
Package:	8 oz. (235 ml) plastic squeeze bottles or 32 oz. (1 litre) bottles 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 mails
- 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.

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

MENDA

for service and support in North America

8 OZ	35660
32 OZ	35661

CHARLESWATER

for service and support in the United Kingdom

235 ML	70950
1 L	70951

Vermason

for service and support in the United Kingdom

235 ML	229630

DESCO ASIA

for service and support in Asia

8 OZ	35660
32 OZ	35661

DESCO JAPAN

for service and support in Japan

8 OZ	35660
32 OZ	35661

Limited Warranty, Warranty Exclusions, Limit of Liability and RMA Request Instructions

See Desco Industries Inc. Warranty
http://www.descoindustries.com/Warranty.aspx

RoHS 2, REACH, and Conflict Minerals Statement

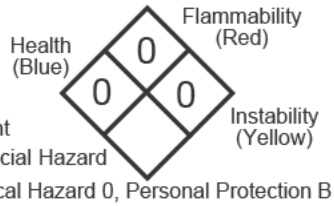
None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2014/12/17, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco Limited Warranty at DescoIndustries.com.

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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. Standard must be consulted for specific requirements.

NFPA Designation 704

Degree of Hazard
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant



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

SECTION 1 — IDENTIFICATION

Product Name/Identity:	Reztore™ ESD Hand Lotion and Reztore™ Clean Hand Lotion
Recommended Use:	ESD Hand Lotion
Manufacturer:	Desco Industries, Inc
Address:	One Colgate Way Canton, MA 02021
Telephone:	781-821-8370
Emergency Number:	781-821-8370

SECTION 2 — HAZARDS IDENTIFICATION

Classification: None.

Labelling:

Symbol:	None.
Signal word:	None.
Hazard Statement (s):	None.

Precautionary statements:

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.
IF SWALLOWED: Immediately call a doctor/physician.
Wash thoroughly after handling.

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.

SECTION 4 — 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.

SECTION 5 — FIREFIGHTING MEASURES

Extinguishing Media:	The product is not flammable. Extinguish fire using media suitable for surrounding fire.
Specific Hazards:	None are known.
Protective Clothing:	Wear appropriate protective clothing.

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SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wearing protective clothing. Wear proper eye protection.
Environmental Precautions:	Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
Clean Up Methods:	Soak up with sawdust, sand or other absorbent material. Shovel or sweep up. Flush spill area with water.
Waste Disposal Method:	Discard material according to local, state, and federal regulations.
Other Precautions:	Mop up spills immediately. Wet floor may present slip hazard.

SECTION 7 — HANDLING AND STORAGE

Handling:	Avoid contact with eyes. Do not swallow. Wear gloves and safety glasses or goggles if handling large quantities. For external use only.
Storage:	Storage Temperature: Max. 49°C/120°F-1°C/34°F. Keep from freezing. Keep out of reach of children.
Incompatibilities:	None known.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Eye protection:	Avoid contact with eyes. Use safety eye wear with splash guards or side shields.
Work/Hygienic Practices:	Wash hands before eating, smoking, or using washroom facilities.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous Liquid.
Color:	White.
Odor (Clean Lotion):	Unscented
Odor (Regular Lotion):	Peach fragrance
Odor threshold:	N/A.
pH:	7-8
Boiling Point:	212°F (100°C)
Melting Point:	45°C
Flash Point:	Noncombustible.
Inflammability Limits: (vol.% in air)	N/A.
Solubility in water:	Soluble.
Vapor Pressure (mmHg):	N/A.
Vapor Density (air=1):	N/A.
Density at 20°C:	N/A.
Specific Gravity (H20=1):	1.0-1.1
Inflammability:	Classification according to EC-regulations “non-flammable”.
Ignition Temperature:	N/A.
Evaporation Rate:	N/A.
Decomposition temperature:	N/A.
Partition coefficient:	N/A.

SECTION 10 — STABILITY AND REACTIVITY

Stability/Reactivity:	Stable product at normal conditions.
Conditions to avoid:	Temperatures above 49°C/120°F and below 1°C/34°F
Materials to avoid:	Avoid contamination with strong acids and oxidizing agents.
Hazardous Decomposition:	Thermal decomposition may yield carbon monoxide.

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SECTION 11 — TOXICOLOGICAL INFORMATION

No toxic components are present above their hazard cutoff levels*

*Globally Harmonized System of Classification AND Labelling of Chemicals (GHS) 2013 Fifth revised edition, Annex 4, A4.3.11.1, A4.3.11.14.2 (b).

SECTION 12 — ECOLOGICAL INFORMATION

Mobility:	The product is aqueous and will be separated in aqueous conditions.
Degradability:	N/A.
Bioaccumulation:	Not likely.
Ecotoxicity:	None known.
Reference to BimSchV:	N/A.
Hazard Classification:	None Hazardous.

SECTION 13 — DISPOSAL CONSIDERATIONS

Product:	No special precautions. Dispose of according to all federal, state and local regulations.

SECTION 14 — TRANSPORT INFORMATION

This product is not classified for transport under ADR/IMDG regulations.

SECTION 15 — REGULATORY

Physical/Chemical Indication:	Non-flammable.
Risk-Phrase:	(R22): Harmful if swallowed, (R36): Irritating to the eyes.
Safety-Phrase:	(S2): Keep away from children, (S7): Keep containers well closed, (S25): Avoid contact with eyes, (S42): If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
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 inven tory.
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.

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SECTION 16 — OTHER INFORMATION

HMIS RATING:	Health 1, Flammability 0, Physical Hazard 0, Personal Protection B
NFPA RATING:	Health 0, Flammability 0, Instability 0, Special Hazard N/A

SDS Updated: **2015-04-08**

Disclaimer

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N/A = Not Applicable; NE = None Established

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