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DESCO TECHNICAL BULLETIN TB-3012

**Application Instructions
 Reztore™ ESD Hand Lotion**



Made in America



Figure 1. Reztore™ ESD Hand Lotion, Item No. 81080, ready-to-use 8 oz. bottle; Item No. 81082, 1 quart pump; Item No. 81081, 1 gallon pump

Description

Desco Reztore™ ESD Hand Lotion, item 81080/81081/81082 is specially formulated for use in the electronic manufacturing environment. 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™ ESD Hand Lotion is available in 8 oz. plastic bottles (sold in cartons of twelve bottles), one quart bottles with pumps, or in one gallon bottles with pumps.

General Guidelines

Reztore™ antistatic 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, free-salts, silicone and mineral oil. Avoid contact with eyes. If eye contact occurs wash with water.

Directions

Apply a small amount of Reztore™ ESD 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

- Viscosity:** 6000 Brookfield 20 Speed Spindle #4
- Color:** White
- Odor:** Pleasant
- pH:** 7.5 ± .5
- Contaminants:** No soap, lanolin, free-salts, silicones, or mineral oil
- % Solids:** 10 ± 2%
- Package:** 8 oz. plastic squeeze bottles, one quart bottles with pumps, or one gallon 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

NOTE: Reztore™ ESD 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 Material Safety Data Sheet. We also recommend that this product be stored in its original container and be sealed when not in use.

Limited Warranty

Desco expressly warrants that for a period of one (1) year from the date of purchase, Desco Reztore™ ESD Hand Lotion will be free of defects in material (parts). Within the warranty period, the material will be tested, repaired or replaced at Desco's option, free of charge. Call our Customer Service Department at 909-627-8178 (Chino, CA) or 781-821-8370 (Canton, MA) for a Return Material Authorization (RMA) and proper shipping instructions and address. You should include a copy of your original packing slip, invoice, or other proof of purchase date. Any unit under warranty should be shipped prepaid to the Desco factory. Warranty replacements will take approximately two weeks.

Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

Limit of Liability

In no event will Desco or any seller be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.

EC-Material Safety Data Sheet, according to 91/155EC
Date: December 1, 2002

Rezstore™ ESD Hand Lotion

1. IDENTIFICATION OF THE PRODUCT AND OF THE ENTERPRISE

Chemical name: Rezstore™ ESD Hand Lotion

Manufacturer Desco Industries, Inc.
90 Hudson Road
Canton, MA 02021
U.S.A.

Emergency Phone: (781) 821-8370
Fax: (781) 575-0172

2. INFORMATION ON INGREDIENTS/COMPOSITION

Ingredients	Weight	CAS-No.	TLV-value	R-Phrases
Water	60-100	7732-18-5	none	none
Propylene Glycol	1-5	57-55-6	none	none
Stearic Acid	1-5	57-11-4	none	none
Cetyl Alcohol	1-5	36653-82-4	none	none

None of the components of this product are on the SARA Title III Section 313 Inventory

3. HAZARDS IDENTIFICATION

Eyes May cause irritation, tearing, or blurred vision.
Skin May cause slight irritation of the skin.
Ingestion May cause nausea and vomiting.
Inhalation None known.

4. FIRST AID MEASURES

Eye Contact Flush with water for at least 15 minutes. Contact a physician if irritation persists.
Skin Contact Wash with soap and water. Wash clothing before reuse. Contact a physician if irritation persists.
Ingestion Drink several glasses of water. Induce vomiting. Contact a physician.
Inhalation Move subject to fresh air. Contact a physician if irritation persists.

5. EXTINGUISHING MEASURES

Proper Extinguishing Media N/A
Protective Clothing N/A

6. MEASURES TO EXPOSURE OF PRODUCT

Personal Precautions None needed.
Environmental Precautions None known.
Cleaning Procedures Mop with soap and water. Flush with copious amounts of water.

7. HANDLING AND STORAGE

Handling No special precautions need be taken.
Storage Store above 40°F to prevent freezing. Warm to melt. The maximum recommended storage temperature is 120°F. Keep container tightly closed.

8. EXPOSURE CONTROL/PERSONAL EXPOSURE

Control Parameters None
Other Regulations None
Measures For Technical Control None
Respiratory Protection None
Hand Protection None
Eye Protection None
Other Protective Equipment Eyewash station
Work/Hygienic Practices Wash hands before eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Viscous liquid	Solubility in water	Complete
Color	White lotion	Vapor Pressure (mmHg)	N/A
Smell	Light peach scent	Vapor Density (air = 1)	N/A
pH	6.5 - 7.5	Density at 20°C	N/A
Boiling Point	>200°F (100°C)	Specific Gravity (H20 = 1)	1.01
Melting Point	>150°F	Inflammability	Classification according to EC-regulations "non-flammable"
Flash Point at °C	Noncombustible	Ignition Temperature	N/A
Inflammability Limits (vol.% in air)	N/A	Evaporation Rate	N/A

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 None
Hazardous Decomposition None

11. TOXICOLOGICAL INFORMATION

Acute toxicity No data available on the product.
Special Effects None Known

12. ECOLOGICAL INFORMATION

No environmental hazards have been reported or known

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 Non Hazardous

13. DISPOSAL CONSIDERATIONS

Product Ensure the disposal is in accordance with local authorities.
Hazardous Waste Number Nonregulated

14. TRANSPORT INFORMATION

This product is not flammable or sensitive to shock. Transport according to local regulations.

15. REGULATORY INFORMATION

Physical/Chemical 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; (S46): If swallowed, seek medical advice immediately and show this container or label.
EU Classification (67/548/EEC-88/379/EEC) This product does not have to be classified according to the EU Regulations.

16. OTHER INFORMATION

Further Information None

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