

Application Instructions Reztore™ ESD Hand Lotion



Made in America



Figure 1. Reztore™ ESD Hand Lotion, Item No. 70951, 1 litre pump; Item No. 70950, ready-to-use 235 ml. bottle; Item No. 70952, 3.8 litre pump

Description

Charleswater Reztore™ ESD Hand Lotion, item 70950/70951/70952 is 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™ ESD Hand Lotion is available in 235 ml plastic bottles (sold in cartons of twelve bottles), one litre bottles with pumps, or in one 3.8 litre bottles with pumps.

Reztore™ ESD 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™ 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

Colour:

White

Odor:

Pleasant

pH:

7.5 ± .5

Contaminants:

No soap, lanolin, free-salts, silicones,

or mineral oil

% Solids:

10 ± 2%

Package:

235 ml plastic squeeze bottles, one

litre bottles with pumps, or 3.8 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 nails
- 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

Charleswater expressly warrants that for a period of one (1) year from the date of purchase, Charleswater 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 Charleswater's option, free of charge. Call Customer Service at 00 44 (0) 1892-665313 for a Return Material Authorisation (RMA) and for 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 Charleswater 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 Charleswater 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.

Reztore™ ESD Hand Lotion

1. IDENTIFICATION OF THE PRODUCT AND OF THE ENTERPRISE

Chemical name: Reztore™ 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

HMIS Rating	Health 1 Flammability 0	Reactivity 0 Personal Protection None
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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 to 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.

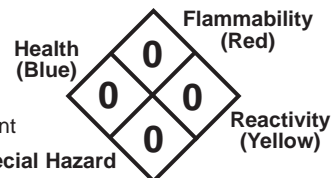
8. EXPOSURE CONTROL/PERSONAL EXPOSURE

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.

NFPA Designation 704

Degree of Hazard

4 = Extreme	1 = Slight
3 = High	0 = Insignificant
2 = Moderate	



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 (H2O = 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. (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.
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	This product does not have to be classified according to the EU Regulations.

(67/548/EEC-88/379/EEC)

16. OTHER INFORMATION

Further Information	None
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Disclaimer

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