SAFETY DATA SHEET
May be used to comply with JIS Z 7253:2012. Standards must be consulted for specific requirements.
Revision Date: 2020-03-19

1. IDENTIFICATION

Product Name: Reztore® Alcohol-Free ESD Surface and Mat Cleaner
Identified use: ESD Surface and Mat Cleaner
Company Identification: DESCO INDUSTRIES INC
661-1 YACHIMATA-HO
YACHIMATA-SHI
CHIBA-KEN 289-1115 JAPAN
+81 43-309-4470

Email Address: Service@DescoAsia.com
Emergency telephone number
Japan: +81 43-309-4470
Office hours: 8:00 AM - 5:00 PM

2. HAZARDS IDENTIFICATION

GHS Classification
The mixture is non-hazardous under the criteria of JIS 7252 Classification of Chemicals Based on GHS.

GHS Label Elements
The mixture is non-hazardous under the criteria of JIS 7253 Classification of Chemicals Based on GHS.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. The product does not meet the criteria for classification. None of the components shall be listed as a substance in the mixture.

4. FIRST AID MEASURES

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.

Most important symptoms and effects, both acute and delayed
Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed
Notes to physician: No specific antidote.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media: The product is non-combustible. Dry chemical, CO2, water spray or regular foam
Unsuitable Extinguishing Methods: N/A
Special hazards arising from the substance or mixture
Hazard from the substance or mixture: Unknown
Hazardous thermal decomposition products: Unknown

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.

6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not walk through spilled material. Wear appropriate personal protective equipment.

Environmental precautions
Methods and material for containment and cleaning up: absorb liquid components with liquid-binding material. Dispose contaminated material as waste according to SECTION 13. Ensure adequate ventilation.

Methods and materials for containment and cleaning up
Small spill
Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in a suitable and labeled waste disposal container.

Large spill
Stop leak if without risk. Move containers from spill area. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulation (SECTION 13). After clean up operations, decontaminate and launder all protective clothing and equipment before storing.

7. HANDLING AND STORAGE
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.

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

8. EXPOSURE CONTROL / PERSONAL PROTECTION
Control parameters
Not available.

Exposure controls
Appropriate engineering controls
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures
Hygiene Measures
Wash hands after handling and before eating, smoking, or using the lavatory and at the end of the working period. When using, do not eat or drink or smoke.

Eye/face Protection
May use without safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin/Hand Protection
Chemical protective gloves is not needed when handling this material.
9. PHYSICAL AND CHEMICAL PROPERTIES
Information on basic physical and chemical properties

- **Appearance:** Liquid
- **Color:** Transparent Violet
- **Odor:** Floral
- **Odor Threshold:** Not available
- **pH:** 7.0 - 7.5
- **Melting Point:** Not determined
- **Boiling Point:** 212°F (100°C)
- **Flash Point:** Does not flash
- **Evaporation rate:** < 1 (butyl acetate = 1)
- **Flammability:** Non-flammable
- **Upper flammability or explosive limits:** Non applicable
- **Lower flammability or explosive limits:** Non applicable
- **Vapor Pressure (mm Hg):** 2.4 kPA (18 mmHg)
- **Vapor Density (air=1):** Non applicable
- **Relative Density:** 1
- **Specific Gravity (H₂O = 1):** Non applicable
- **Partition coefficient:** Non applicable
- **Auto-ignition temperature:** Not determined
- **Decomposition temperature:** Not determined
- **Viscosity:** Non applicable
- **Explosive properties:** Non applicable
- **Oxidizing properties:** Non applicable

**Other information**
- **VOC per Method 24 of EPA:** 0.7% VOC by wt.

10. STABILITY AND REACTIVITY

- **Reactivity:** No dangerous reaction known under conditions of normal use.
- **Chemical stability:** Stable product at normal conditions.
- **Possibility of hazardous reactions:** Hazardous reactions will not occur.
- **Conditions to avoid:** Temperatures above 100°F (38°C) and below 34°F (1°C)
- **Incompatible materials:** Strong oxidizing agents. Strong acids.
- **Hazardous decomposition products:** No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

**Acute Toxicity**

- **Acute oral toxicity:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Based on information for component(s): LD50, Body weight, > 5,000 mg/kg Estimated.

- **Acute dermal toxicity:** Prolonged skin contact is unlikely to result in absorption of harmful amounts. Based on information for component(s): LD50, Rabbit, > 5,000 mg/kg Estimated.

- **Acute inhalation toxicity:** With good ventilation, single exposure is not likely to be hazardous. In poorly ventilated areas, vapors or mists may accumulate and cause respiratory irritation. (Vapor) > 50 mg/l, 4 h
Skin corrosion/irritation
Not cause skin irritation.

Serious eye damage/eye irritation
May cause mild eye irritation.

Sensitization
For respiratory sensitization: No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)
No relevant data found.

Specific Target Organ Systemic Toxicity (Repeated Exposure)
No relevant data found.

Carcinogenicity
No relevant data found.

Teratogenicity
No relevant data found.

Reproductive toxicity
No relevant data found.

Mutagenicity
No relevant data found.

Aspiration Hazard
No relevant data found.

12. ECOLOGICAL INFORMATION
Ecotoxicological information appears in this section when such data is available.

Toxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
The product is aqueous.

13. DISPOSAL CONSIDERATIONS
Disposal methods
Product
Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.

14. TRANSPORT INFORMATION
Classification for ROAD AND RAILWAY TRANSPORT (ADR / RID)
Not regulated for transport

Classification for SEA transport (IMO-IMDG)
Not regulated for transport

Transport in bulk according to Annex II of MARPOL and the IBC Code
Consult IMO regulations before transporting ocean bulk.

Classification for AIR transport (IATA/ICAO)
Not regulated for transport
15. REGULATORY INFORMATION

Japan Fire Service Law
None

Japan PRTR Law
None

Japan ENCS - Existing and New Chemical Substances Inventory (ENCS)
All intentional components are listed on the inventory, are exempt, or are supplier certified.

16. OTHER INFORMATION

SDS Updated 2020-03-19

Full text of other abbreviations
ENCS - Existing and New Chemical Substances (Japan); GHS - Globally Harmonized System; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); OECD - Organization for Economic Co-operation and Development; SDS - Safety Data Sheet.

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 suitableness and completeness of such information for his own particular use.