

SAFETY DATA SHEET

May be used to comply with Regulation (EU) No. 2015/830. Standards must be consulted for specific requirements.

Revision Date: 2020-03-19

SECTION 1 — IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product Name: Reztore® Alcohol-Free ESD Surface and Mat Cleaner

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: ESD Surface and Mat Cleaner

1.3 Details of the supplier of the safety data sheet

Supplier: DESCO INDUSTRIES INC
2A Dunhams Lane
Letchworth Garden City
Hertfordshire, SG6 1BE
UNITED KINGDOM
+44 (0) 1462 672005

Email Address: Service@DescoEurope.com

1.4 Emergency telephone number

United Kingdom: +44 (0) 1462 672005

Office hours: 8:00 AM - 5:00 PM

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

The mixture is non-hazardous under the criteria of the CLP Regulation (EC) No. 1272/2008.

2.2 Label elements

The mixture is non-hazardous under the criteria of the CLP Regulation (EC) No. 1272/2008.

2.3 Other hazards None known

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

None of the ingredients present are above their hazard cutoff values as defined by the CLP Regulation (EC) No. 1272/2008

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

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.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote.

SECTION 5 — FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media	The product is non-combustible. Dry chemical, CO ₂ , water spray or regular foam.
Unsuitable Extinguishing Methods	None known

5.2 Special hazards arising from the substance or mixture

Under fire conditions some components of this product may decompose.

Unusual Fire and Explosion Hazards: None known

5.3 Advice for firefighters

Fire Fighting Procedures: 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 firefighters: Wear self-contained breathing apparatus and protective suit.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 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.
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6.2 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.

6.3 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.

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

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

7.2 Conditions for safe storage, including any incompatibilities

Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.

Storage temperature: 1°C - 49°C (34°F - 120°F)

Other data: Monomer vapors can be evolved when material is heated during processing operations.

See SECTION 8, for types of ventilation required.

7.3 Specific end uses

ESD Mat and Surface Cleaner

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Not available

8.2 Exposure controls

Technical Control: Good general ventilation should be sufficient. Local exhaust mat be required in some operations.

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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.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

9.1 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 (H ₂ O = 1) :	Non applicable
Solubility:	Completely
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.

SECTION 10 — STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable product at normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Temperatures above 100°F (38°C) and below 34°F (1°C)

10.5 Incompatible materials

Strong oxidizing agents. Strong acids.

10.6 Hazardous decomposition products

Thermal decomposition may yield Carbon Monoxide.

SECTION 11 — TOXICOLOGICAL INFORMATION

11.1 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

No relevant data found.

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.

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity

No relevant data found.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

12.4 Mobility in soil

No relevant data found.

12.5 Results of PBT and vPvB assessment

No relevant data found.

12.6 Other adverse effects

No relevant data found.

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12.7 Additional Information

No relevant data found.

SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	Dispose of as unused product. Waste packaging should be recycled. Remove the clear supernatant liquid and flush to a chemical sewer. Incinerate the solids and the contaminated material according to local and federal regulations.
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13.2 Additional information	None
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SECTION 14 — TRANSPORT INFORMATION

Classification for ROAD AND RAILWAY TRANSPORT (ADR / RID)

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not considered to be environmentally hazardous, based on available data.
14.6 Special precautions for user	No data available

Classification for SEA transport (IMO-IMDG)

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not regulated for transport
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not considered to be marine pollutant, based on available data.
14.6 Special precautions for user	No data available

14.7 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)

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not regulated for transport
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	No data available

SECTION 15 — REGULATORY INFORMATION

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

REACH Regulation (EC) No 1907/2006.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals. As of 2012-09-27 Desco Industries Inc. has completed an assessment of all of our products and is not under any obligation to register.

Seveso II - Directive 96/82/EC and its amendments:

Listed in Regulation: Not applicable.

15.2 Chemical Safety Assessment	N/A
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SECTION 16 — OTHER INFORMATION

Full H- (Hazard-) statements mentioned in sections 2 and 3

None

Classification and procedure used to derive classification from mixtures according to Regulation (EC) No 1272/2008

None

SDS Updated

2020-03-19

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; EC-Number - European Community number; GHS - Globally Harmonized System; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; NOAEL - No Observed Adverse Effect Level; n.o.s. - Not Otherwise Specified; OECD - Organization for Economic Co-operation and Development; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SDS - Safety Data Sheet; vPvB - Very Persistent and Very Bioaccumulative

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.