

Killstat Restorer and Cleaner

TECHNICAL DATASHEET

KSRES1/ KSRESGAL

Description

The final application to treating your ESD floor is our Killstat Restorer and Cleaner. Our Killstat Restorer and Cleaner is a non-toxic, bio-degradable solution that has been specially developed for cleaning ESD floors without affecting the ESD qualities. It is also an effective cleaner for cleaning any sealed or hard floor surface. This restorer will renew the gloss finish, lower the resistivity and return the floor to safe and proper specifications. Killstat Restorer and Cleaner is recommended to be used as an interior cleaner for ESD floor finish and tile. Can be ordered as either 1 gallon or 1 litre.



1 Gallon

1 Litre

Features

- ⚡ Liquid solution with yellowish orange solution colour
- ⚡ Citrus odour
- ⚡ Non-toxic biodegradable solution
- ⚡ 1 gallon and 1 litre options to order
- ⚡ Specially developed for cleaning ESD floors
- ⚡ Renews gloss finish
- ⚡ Lowers the resistivity of an ESD floor
- ⚡ Returns the floor to safe and proper specifications
- ⚡ Best used as an interior cleaner for ESD floor finish
- ⚡ Screw-on cap
- ⚡ 1 gallon container has a handle at its neck for carrying
- ⚡ ESD susceptible symbol features on each formulas' packaging
- ⚡ Compliant according to IEC-61340-1-5 International Standard
- ⚡ RoHS and REACH compliant

Directions For Use

- 1)** Strip the floor with an anti-static floor stripper to remove coats of wax and synthetic floor finishes.
- 2)** Polish the floor with an anti-static floor finish to maintain the efficiency of the flooring's surface.
- 3)** Apply a static-dissipative restorer and cleaner to finalise the floor treatment.



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Section 1: Use & Contact Details

Recommend use: Interior cleaner for ESD floor finish and tile.

Emergency telephone: : INFOTRAC: (01) 800.535.5053 (day or night).

Section 2: Hazardous Identification

Classification

NFPA HAZARD RATING: (0) Fire (1) Health (0) Reactivity

GHS:

Health:

Acute Toxicity – Warning: Category 5; maybe harmful if swallowed (oral).

Warning: Category 5; maybe harmful if in contact with skin (dermal)

Warning: Category 5; maybe harmful if inhaled (inhalation)

Eyes: Warning: Category 2B; causes eye irritation.

Skin: Warning: Category 3; causes mild skin irritation.

Environmental: Not Classified.

Physical: Not classified (non-flammable liquid).

Labelling: P102 / S2

Keep out of reach of children

Section 3: Composition / Information Of Ingredients

CHEMICAL C.A.S. Number EC Number Weight %

Alcohol Ethoxylate Proprietary Blend 5 - 10

Sodium Xylene Sulfonate 1300-72-7 215-090-9 < 1



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Section 4: First Aid Measures

Inhalation: Not known to cause inhalation problems.

Eye Contact: Flush with water for at least 15 minutes. Get immediate medical aid.

Skin Contact: Wash off skin and remove contaminated clothing.

Ingestion: If swallowed, consult a physician immediately.

Section 5: Fire Fighting Measures

Flash Point & Method: None

Fire Fighting instructions: Fire fighters should wear self-contained positive-pressure breathing apparatus.

Extinguishing media: Alcohol resistant foam, dry chemical, Carbon dioxide (CO₂) dry sand, limestone powder.

Specific hazards: Incomplete combustion may form carbon monoxide. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Section 6: Accidental Release Measures

Personal precaution: Wear suitable protective clothing, gloves and eye/face protection.

Land spill: Spilled material is slippery. Recover liquid for reprocessing or disposal. Construct dike to contain spill and prevent release into environment.

Section 7: Handling & Storage

Handling: KEEP OUT OF REACH OF CHILDREN. Wash thoroughly after handling. Launder contaminated clothing / equipment before reuse.

Storage: Store in ambient temperatures between 4°C - 32°C (40° - 90° F) and out of direct sunlight.

Specific Use: Keep container closed when not in use. Store in cool, well ventilated place out of direct sunlight and away from incompatible materials. (See STABILITY AND REACTIVITY Section 10). Follow all MSD sheet and Label warnings even after container is emptied.

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Section 8: Exposure Control / Personal Protection

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Exposure Limits 8 Hours TWA (PPM).

OSHA PEL ACGIH TLV

Alcohol Ethoxylate NE NE

Sodium Xylene Sulfonate NE NE

Engineering controls: Local Exhaust ventilation acceptable.

Respiratory protection: Respirator is not required.

Hand protection: Gloves Recommended; Solvex, Neoprene, Butyl, Buna or Natural Latex are acceptable.

Eye protection: Wear safety glasses.

Skin protection: Eye wash station, safety shower, chemical resistant apron, safety shoes, and protective clothing to cover exposed areas of the body.

Section 9: Physical & Chemical Properties

Appearance.....Yellowish orange

Evaporation Rate.....(H₂O=1) slower than ether

Solids.....25

Solubility In Water.....100%

Volatile.....90-95

Boiling Point.....100°C / 212°F %

Odour.....Citrus

pH.....7.5

VOC %.....< 1%

Section 10: Stability & Reactivity

Conditions to avoid: Stable.

Hazardous Polymerization not expected to occur.

Materials to avoid: Strong oxidisers.

Hazardous decomposition products Carbon monoxide, carbon dioxide, Aldehydes, flammable hydrocarbon fragments.



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Section 11: Toxicology Information

Results of Component Toxicity

Test Performed: Oral toxicity (LD50) : >5 mg/kg (rat) Sodium Xylene Sulfonate

Carcinogenicity/Mutagenicity: OSHA / NTP / DHHS – This product does not contain chemicals on the 11th Report on Carcinogens (RoC) NIOSH: None of the chemicals are listed on the NIOSH carcinogen list.

Teratogenicity/Reproductive Toxicity: The components in this product are not known to cause teratogenicity or reproductive toxicity

Section 12: Ecological Information

The Alcohol Ethoxylate blend in this product has been approved in certified Green Seal formulations due primarily to the readily biodegradable nature of the surfactant. No data is available regarding the bioaccumulation on this product itself.

Acute Toxicity (Sodium Xylene Sulfonate):

Fathead Minnow 96 hour LC50: > 1000 mg/L; NOEC: 1000 mg/l.

Daphnia magna 48 hour EC50: > 1000 mg/L; NOEC: 1000 mg/l.

Section 13: Disposable Considerations

RCRA 40 CFR 261 Classifications:

As packaged, if this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor is listed in Subpart D. Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

U.S. DOT Information:

Basic Description: NON HAZARDOUS MATERIAL.

Proper Shipping Name: NA.

IATA: Basic Description: NON HAZARDOUS MATERIAL.



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Section 15: Regulatory Information

US Federal Regulations:

MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200. CERCLA/Superfund, 40 CFR 117, 302: None of the chemicals are Section 302 hazards.

SARA Superfund and Reauthorisation Act of 1986 Title III sections 302, 311, 312 and 313:

Section 302 – Extremely hazardous substances (40 CFR 355): None of the chemicals are Section 302 hazards --

Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370): By our hazard evaluation, this product is non-hazardous.

Section 313 – List of Toxic Chemicals (40 CFR 372): This product does not contain chemicals (at level of 1% or greater) on the 313 list of Toxic Chemicals.

Toxic Substance Control Act (TSCA): All substances are TSCA listed.

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Refer to Section 13.

Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311) None of the chemicals are listed ---

STATE REGULATIONS:

The following chemicals are specifically listed by individual state; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state California Proposition 65: This product does not contain any chemicals known to the state of CA to cause cancer, birth defects or any other harm.

INTERNATIONAL REGULATIONS:

Canada WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. Ingredients are listed in the DSL Europe REACH: Monomers were preregistered on REACH.





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Section 16: Other Information

Safety and Risk phrases: S2 Keep out of reach of children.

REVISION DATES, SECTIONS, REVISED BY:

15-Mar-92, Original release date.

02-Apr-01, Reviewed.

30-Mar-04, Revised Sections 2, 5, 6, 7, 9, 11, 15 & 16 mkb.

17-Aug-07 Reviewed all sections, mkb.

19-Dec-08 Updated to REACH format, mkb.

17-Jun-09 Section 3, mkb.

03-Oct-11 updated address, mkb.

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No Information Found.

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR).

The Sigma-Aldrich Library of Regulatory and Safety Data.

Chemical Guide and OSHA Hazardous Communication Standard US Department of Labor; Occupational Safety & Health Administration (www.osha.gov).

The Environmental Protection Agency (www.epa.gov).

The Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

Government of Canada: <http://canadagazette.gc.ca/news-e.html>

