

Killstat Floor Finish

TECHNICAL DATASHEET

KS43 1/GAL

Description

Maintain the durability of your ESD Floor's surface with our Killstat Floor Finish. Killstat Floor Finish is an eco-friendly water-based polish that is specially formulated using non-hazardous ingredients. It provides a reliable static dissipative floor finish, with a long-lasting durable glossy surface. The formula is easy to apply and maintains a surface resistance of $10^{(8)}$ to $10^{(9)}$ ohms per square. Killstat Floor Finish is recommended to be used for industrial floor applications. Can be ordered as either 1 gallon or 1 litre.



1 Gallon

1 Litre

Features

- ⚡ Eco-friendly water-based polish
- ⚡ Formulated with non-hazardous ingredients
- ⚡ Provides a reliable static dissipative floor finish and a long-lasting durable glossy surface
- ⚡ Easy to apply
- ⚡ Surface resistance of $10^{(8)}$ to $10^{(9)}$ ohms per square
- ⚡ For use on industrial floor applications
- ⚡ 1 gallon and 1 litre options to order
- ⚡ Milky white solution in colour
- ⚡ Mild odour
- ⚡ Screw-on cap
- ⚡ Handle on 1 gallon container for ease of 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. For the best results, apply 2 separate thin coatings of the floor finish. 1 litre will cover approx 20 – 25 square metres of flooring.
- 3)** Apply a static-dissipative restorer and cleaner to finalise the floor treatment.



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Section 1: Use & Contact Details

Recommend use: Anti-static floor finish to be used for industrial floor applications.

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

Section 2: Hazard Identification

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

Product Labelling - Chip Risk/Safety Phrases: Harmful to aquatic organisms (R-52/53).

Keep out of the reach of children (S).

Inhalation: Prolonged exposure may produce headaches and mucous membrane irritation.

Eyes: Direct contact may cause irritation.

Skin: Direct contact may cause irritation.

Ingestion: Nausea may occur.

Section 3: Information On Hazardous Ingredients

CHEMICAL C.A.S. Number EINECS Weight % Risk Phrase.

Ammonium Hydroxide 1336-21-6 215-647-6 1 max C, N, R34, R50.

Deionised Water 7732-18-5 231-791-2 65 min *.

Acrylate Copolymer proprietary proprietary 25 max.

Tri(butoxyethyl) Phosphate 78-51-3 201-122-9 2 max *.

Glycol Ether DM 111-77-3 203-906-6 4 max R63.

Zinc Oxide Complex 1314-13-2 215-222-5 1 max N, R50/53.

**This substance is not classified in the Annex I of Directive 67/548/EEC.*

Section 4: First Aid Measures

Inhalation: Move to fresh air and contact a physician if symptoms persist.

Eye Contact: Flush with copious amounts of water for at least 15 minutes. Contact a physician if necessary.

Skin Contact: Wash with soap and water and rinse thoroughly. Remove contaminated clothing and shoes.

Ingestion: Induce vomiting if conscious and call a physician.



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Section 5: Fire Fighting Measures

Flash Point & Method: None or greater than 250° F.

Autoignition Temperature: Greater than 250° F.

Flammable Limits: LEL: NA UEL: NA.

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

Fire Fighting Equipment: Dry chemical or carbon dioxide.

Hazardous Combustion Products: Toxic gases may be released.

Section 6: Accidental Release Measures

Halt spill at source and contain or dike spill with inert absorbent material.

Transfer liquid to containers for recovery or disposal.

Shovel absorbent into drums for disposal in accordance with local, state and federal regulations.

Section 7: Handling & Storage

Handling: KEEP OUT OF REACH OF CHILDREN.

Wash thoroughly after handling.

Launder contaminated clothing/equipment before reuse.

Storage Temperatures: Ambient (40° - 90° F).

Storage Pressure: Atmospheric Keep away from fire & heat (any sources of ignition).

Industrial use only. 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 STEL.

Ammonium Hydroxide 50 ppm 25 PPM 35ppm.

Engineering Controls: Local Exhaust ventilation acceptable.

See section 2 for component exposure guidelines.

Personal Protection:

Respirator: If concentrations are over the exposure limit and are known, air purifying respirator with Organic Vapour Cartridges may be acceptable. Refer to cartridges for acceptable levels. If concentrations are over exposure limit and are unknown, use a supplied air respirator.

Hand Protection: Gloves Recommended: Solvex, Neoprene, Butyl, Buna, and Natural Latex are suitable.

Eye Protection: Safety glasses with side shields.

Section 9: Physical & Chemical Properties

Density.....1.0

Boiling Point.....100°C / 212°F %

Freeze / Thaw.....3 cycles %

Vapor Density (Air=1).....1

Solubility In Water.....Miscible

Odour.....Mild odour

VOC< 5%

pH.....8 - 9.

Volatile.....65 % water min.

Solids.....20% +/- ½ %.

Evaporation Rate (H₂O=1).....1.

Viscosity.....NA.

Physical State.....Liquid.

Appearance.....Milky White.

Section 10: Stability & Reactivity

General: Stable Incompatible.

Materials: None.

Conditions to Avoid: Keep away from fire and heat (any ignition source).

Hazardous Decomposition: Thermal decomposition on burning may produce toxic gasses.

Hazardous Polymerisation: Will not occur.

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Section 11: Toxicology Information

Results of Component Toxicity Test Performed:

Oral toxicity (LD50): 350 mg/kg (rabbit) Ammonium Hydroxide.

Human Experience:

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.

Section 12: Ecological Information

This product may be harmful to aquatic life as it may contain zinc (less than 1%).

Section 13: Disposal Considerations

Material should not be flushed into sewer system.

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: Proper Shipping Name: NON HAZARDOUS MATERIAL

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Section 15: Toxicology Information

United States Federal Regulations:

MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200. CERCLA/Superfund, 40 CFR 117. 302: This product does not contain significant quantities of materials subject to reporting requirements [Ammonium Hydroxide (1336-21-6) RQ 1000#]

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 (40CFR 372):

This product contains the following chemicals (at level of 1% or greater) which are found on the 313 list of Toxic Chemicals.

Chemical C.A.S. NUMBER WEIGHT %

Glycol Ether DM 111-77-3 4 max

Zinc Oxide Complex 1314-13-2

1 Max

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 for RCRA classification.

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---

Clean Air Act: --- No Information ---

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.

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STATE CHEMICAL C.A.S. NUMBER WEIGHT %

PA, NJ MA Ammonium Hydroxide 1336-21-6 < 1%.

PA, MA Glycol Ether DM 111-77-3 4 max.

PA, NJ, MA Zinc Oxide Complex 1314-13-2 1 max.

California Proposition 65: --- None of the chemicals are on the Proposition 65 list---

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. To the best of our ability, this MSDS is written in accordance to REACH Directive EC1907/2006 Annex II and GHS requirements. This product is not subject to REACH restrictions. It does not contain any candidates on the SvHC.

Section 16: Other Information

LABEL INFORMATION: For Shipping Label information refer to section 14.

Product label warnings in section 2 REVISION DATES, SECTIONS, REVISED BY:

15-MAY-98 Original release date, km.

02-APR-01 Reviewed, km.

08-APR-04 Revised sections 2, 5, 6,7,9,10,13 &15 mkb.

20-Oct-06 Revised Section 2, 11 & 15, mkb.

10-APR-07 Revised Section 2, 15, 16 mkb.

01-JAN -09 Updated to REACH format, mkb.

01-Oct-09 Updated with new address, mkb.

14- May-12 Revised sections 3 and 15, 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).



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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>.

European Commission: (<http://esis.jrc.ec.europa.eu>) UN ST/SG/AC.10/30/ GHS.

To the best of our knowledge, the information contained herein is accurate.

However, we nor any of its subsidiaries assumes any liability.

Whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user.

All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

