GEARTH

# SAFETY DATA SHEET
## FloorShield 25

GHS REV 10

## 1 Identification

| | |
|---|---|
| Product identifier | FloorShield 25 |
| Other means of identification | No data available |
| Recommended use | Eco-friendly liquid floor polish for sealing and glazing (25% activity level). |
| Restrictions on use | No data available |
| Supplier | GEARTH (Pty) Ltd, 96 Lazy River Road, Centurion 0157, Gauteng, South Africa |
| Telephone | 012 004 8183 \| info@gearth.co.za |
| Emergency telephone number | **066 214 2274 (24 hours)** |

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

| | |
|---|---|
| GHS classification | Not classified under GHS Rev 10 by the source data. Source assessment: main hazard irritant (R36/37). |

### 2.2 Label elements

| | |
|---|---|
| Hazard pictograms | No data available |
| Signal word | No data available |
| Hazard statements | No data available |
| Precautionary — prevention | Keep out of reach of children; do not mix with any other substances; do not store in direct sunlight (source S2, S50, S37/39). |
| Precautionary — response | No data available |
| Precautionary — storage | No data available |
| Precautionary — disposal | No data available |

### 2.3 Other hazards

**OTHER HAZARDS DISCLOSURE**

No data available

## 3 Composition / information on ingredients

| Ingredient | CAS no. | EC no. | Conc. % (w/w) | Classification |
|---|---|---|---|---|
| Acrylic polymer resin emulsion | 1336-21-6 (as printed in source) | No data available | No data available | Not classified as hazardous (source data) |
| Alkali-soluble acrylic resin emulsion | 7732-18-5 (as printed in source) | No data available | No data available | Not classified as hazardous (source data) |
| Ethyl diglycol | 011-90-0 (as printed in source) | No data available | No data available | Not classified as hazardous (source data) |
| Tributoxyethanol phosphate | 78-51-3 | No data available | No data available | Not classified as hazardous (source data) |
| Wax-based emulsion (proprietary blend) | Not applicable | Not applicable | No data available | Not classified as hazardous (source data) |
| **Total** | | | **100** | |

Exact composition percentages are withheld as a trade secret in accordance with the HCA Regulations, 2021. The classification of withheld components is reflected above.

## 4 First-aid measures

### 4.1 Description of first-aid measures

| | |
|---|---|
| Inhalation | Move to fresh air and seek medical attention if irritation persists. |
| Skin contact | Rinse well with water. |
| Eye contact | Flush well with water for about 15 minutes and seek medical advice if irritation persists. |
| Ingestion | Do not induce vomiting. Drink a large quantity of water and seek medical advice. |

### 4.2 Most important symptoms and effects, both acute and delayed

| | |
|---|---|
| Symptoms and effects | Eye irritation (R36/37); precautions may be needed for persons with sensitive skin; avoid inhalation of vapour. |

### 4.3 Indication of any immediate medical attention and special treatment needed

| | |
|---|---|
| Medical attention | Treat symptomatically. |

## 5 Fire-fighting measures

### 5.1 Extinguishing media

| | |
|---|---|
| Suitable extinguishing media | Powder, foam, sand and water spray. |
| Unsuitable extinguishing media | No data available |

### 5.2 Special hazards arising from the substance or mixture

| | |
|---|---|
| Specific hazards / hazardous combustion products | None — water-based product, not flammable. |

### 5.3 Advice for firefighters

| | |
|---|---|
| Protective equipment for firefighters | Wear protective clothing. |

## 6 Accidental release measures

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Floor may be made slippery. Ensure adequate ventilation (breathing apparatus for fire only). |
| Environmental precautions | No data available |
| Methods and material for containment and cleaning up | Small spills: mop up and wash the area with water. Large spills: contain with absorbent material, gather in plastic containers and dispose of at an authorised place, or wash the area down with plenty of water to drain. Let the spill area dry to prevent slipping. |

## 7 Handling and storage

### 7.1 Precautions for safe handling

| | |
|---|---|
| Safe handling | Keep lid closed. |

### 7.2 Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| Storage conditions | Keep in a cool place; keep lid closed. Store indoors at room temperature (15 – 30 °C); do not freeze. Store in closed containers to avoid premature coagulation and deterioration. |
| Packaging | 5 L and 25 L plastic containers. |
| Shelf life | No data available |
| Incompatibilities | Addition of any other floor-care products could break the emulsion and render the product useless. |

## 8 Exposure controls / personal protection

### 8.1 Control parameters — occupational exposure limits

| Substance | OEL type | Value | Source |
|---|---|---|---|
| Product as supplied | — | None established | HCA Regs 2021 Annexure 2 |

### 8.2 Appropriate engineering controls

| | |
|---|---|
| Engineering controls | Ventilate the area where the floor is treated. |

### 8.3 Individual protection measures

| | |
|---|---|
| Eye / face protection | Avoid eye contact. |
| Skin / hand protection | For sensitive skin use gloves; avoid unnecessary skin contact. Glove material: No data available; breakthrough time: No data available |
| Respiratory protection | Ventilate the treated area. Filter type: Not applicable |
| Thermal hazards | No data available |

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | Liquid (white milky emulsion) |
| Colour | White |
| Odour | Mild |
| Melting point / freezing point | No data available |
| Boiling point or initial boiling point and boiling range | About 100 °C |
| Flammability | Non-flammable (water-based) |
| Lower and upper explosion limit / flammability limit | No data available |
| Flash point | Not applicable per source |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| pH (concentration and temperature stated) | 8.5 – 9.5 (concentration and temperature not stated in source data) |
| Kinematic viscosity | No data available |
| Solubility | Water soluble |
| Partition coefficient n-octanol/water (log Kow) | No data available |
| Vapour pressure | No data available |
| Density and/or relative density | About 1.06 |
| Relative vapour density | No data available |
| Particle characteristics | Not applicable |

### 9.2 Other information

| | |
|---|---|
| Explosive properties | None (source data) |
| Oxidising properties | None (source data) |
| Bulk density | No data available |
| Active solids | Solid content 25% (source data) |

## 10 Stability and reactivity

| | |
|---|---|
| Reactivity | No data available |
| Chemical stability | Storage indoors at room temperature (15 – 30 °C) should not lead to gross instability. Do not freeze. |
| Possibility of hazardous reactions | No data available |
| Conditions to avoid | Freezing; addition of other floor-care products (breaks the emulsion). |
| Incompatible materials | Other floor-care products. |
| Hazardous decomposition products | No data available |

## 11 Toxicological information

| | |
|---|---|
| Likely routes of exposure | Eye and skin contact; ingestion; inhalation of vapour. |
| Symptoms related to exposure | Eye irritant (R36, 37). |
| Delayed and chronic effects | Nil (source data). |

### Numerical measures of toxicity

| Endpoint | Species | Route | Value |
|---|---|---|---|
| LD50 (oral) | Various species | Oral | >1 g/kg for each plasticiser / co-solvent component (source statement) |

Source: not considered harmful if swallowed; plasticiser and co-solvents total less than 3%, all with oral LD50 greater than 1 g/kg (various species).

| | |
|---|---|
| Acute toxicity — dermal | No data available |
| Acute toxicity — inhalation | No data available |
| Skin corrosion / irritation | No data available |
| Serious eye damage / irritation | Eye irritant (source data; not classified). |
| Respiratory sensitisation | No data available |
| Skin sensitisation | No data available |
| Germ cell mutagenicity | Nil (source data). |
| Carcinogenicity | Nil (source data). |
| Reproductive toxicity | Nil (source data). |
| STOT — single exposure | No data available |
| STOT — repeated exposure | No data available |
| Aspiration hazard | No data available |

## 12 Ecological information

**Aquatic toxicity**

| Species | Endpoint | Value | Duration |
|---|---|---|---|
| Fish | Acute toxicity | Unknown (source statement) | No data available |
| Daphnia | Acute toxicity | Unknown (source statement) | No data available |
| Algae | Acute toxicity | Unknown (source statement) | No data available |

Source: estimated from raw-material concentrations and their published biodegradability, the product is more than 80% biodegradable.

| | |
|---|---|
| Persistence and degradability — method | No data available |
| Persistence and degradability — result | More than 80% biodegradable (estimated, source data). |
| Bioaccumulative potential | Nil (source statement). |
| Mobility in soil | No data available |
| Other adverse effects | No data available |

## 13 Disposal considerations

| | |
|---|---|
| Waste residues | No data available |
| Disposal methods | Dispose of in accordance with local legislation. |
| Contaminated packaging | No special precautions (source data). |
| Waste classification (NEM:WA 59 of 2008, GN R635) | No data available |

## 14 Transport information

| Mode | UN no. | Proper shipping name | Class | PG |
|---|---|---|---|---|
| Road (SANS 10228 / ADR) | Not applicable | Not regulated | Not applicable | Not applicable |
| Rail (RID) | Not applicable | Not regulated | Not applicable | Not applicable |
| Sea (IMDG) | Not applicable | Not regulated | Not applicable | Not applicable |
| Air (IATA) | Not applicable | Not regulated | Not applicable | Not applicable |

| | |
|---|---|
| Marine pollutant | No data available |
| Transport in bulk (IMO instruments) | Not applicable |
| Special precautions for user | No data available |

## 15 Regulatory information

| | |
|---|---|
| Safety, health and environmental regulations specific to the product | Occupational Health and Safety Act 85 of 1993; Regulations for Hazardous Chemical Agents, 2021; NEM:WA 59 of 2008; None identified |
| NRCS VC 8054 status | No data available |
| Ecolabel certification | No data available |
| Chemical safety assessment | No data available |

## 16 Other information

| | |
|---|---|
| Date of preparation | 18 August 2026 |
| Latest revision | Rev 1.0, 18 August 2026 |
| Summary of changes | First GEARTH issue (Rev 1.0). Safety content transferred unchanged from the source manufacturer's MSDS (dated 1 May 2025; source product Floor-Polish (Liquid), 25% solids); no data re-tested or re-derived. |
| Full text of hazard (H) statements | No data available |
| Full text of precautionary (P) statements | S2 Keep out of reach of children. S50 Do not mix with any other substances. S37/39 Do not store in direct sunlight. |
| Key to abbreviations | GHS — Globally Harmonized System; OEL — occupational exposure limit; STOT — specific target organ toxicity; PG — packing group; SG — specific gravity; CAS — Chemical Abstracts Service; HCA — hazardous chemical agents. |
| Classification method | Hazard information carried over from the source manufacturer's assessment (pre-GHS format). Classification against UN GHS Rev 10 criteria to be confirmed. |
| Training advice | Use only according to the instructions for use. Personnel handling the concentrate should be familiar with the first-aid and spill measures in Sections 4 and 6. |
| Disclaimer | This information is based on present knowledge and describes the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee of the properties of the product. Final determination of suitability for any use is the sole responsibility of the user. |

**SIGN-OFF**

| | |
|---|---|
| Prepared by | GEARTH (Pty) Ltd |
| Document ref | SDS-GEA-012 |
| Revision | 1.0 (18 August 2026) |
| Supersedes | None — first GEARTH issue |
| Next review | August 2028 |