

BRILLIANT WORKS Floor Polish / SDS



Issue Date: 31-JUL-2015 v.2

1. IDENTIFICATION

Product Name: **BRILLIANT WORKS**
Other means of identification: floor polish, floor wax, floor finish, floor coating
Recommended use: Floor polish for vinyl composite tile (VCT)
Prepared by: Safety Department
Source: US Formula Technology / 1000 McFarland 400 Blvd / Alpharetta, GA 30004 USA
Company Phone Number: 770-813-0008 or 800-728-7972 / Fax: 770-813-0470
Emergency Telephone Number (24 Hours): 1-800-535-5053 INFOTRAC (USA) /
International: 001-352-323-3500

2. HAZARDS IDENTIFICATION

Signal word: unnecessary

Appearance: White liquid with characteristic latex type odor

Precautionary Statements: **PREVENTION**
Recommend safety glasses when splashing possible.
Recommend waterproof gloves. Use in a well-ventilated area.

Precautionary Statements: **RESPONSE**

IF IN EYES: Considered to have a low order of toxicity. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Go to ER or doctor/physician if you feel unwell.

IF ON SKIN (or hair): Considered to have a low order of toxicity. Remove/Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower.

IF INHALED: Considered to have a low order of toxicity. Remove victim to fresh air and keep at rest. Go to ER or doctor/physician if you feel unwell.

IF SWALLOWED: Considered to have a low order of toxicity. Rinse mouth. Do NOT induce vomiting (aspiration hazard). Go to ER or doctor/physician if you feel unwell.

IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

Precautionary Statements: **STORAGE**
Keep container tightly closed. Keep out of reach of children.
To preserve product quality: Keep from repeated freeze-thaw cycles.

Precautionary Statements: **DISPOSAL**
Send to sanitary drain line. Do not allow to escape into natural waterways.

Hazards not otherwise classified (HNOC): Not Applicable

Other Information: Considered to have a low order of toxicity

3. COMPOSITION / INFORMATION on INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-------------------------------|------------|----------|
| Deionized water | 7732-18-5 | 40-50 |
| Acrylic polymer emulsion | 62180-77-2 | 40-50 |
| Hydrocarbon wax emulsion | 25722-45-6 | 5-10 |
| Polyethylene wax emulsion | 25722-45-6 | 5-10 |
| Diethylene glycol ethyl ether | 111-90-0 | < 7 |

4. FIRST AID MEASURES

INHALATION: Low toxicity. Remove to fresh air. Considered to have a low order of toxicity.

EYE CONTACT: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get immediate medical advice/attention if you feel unwell. Considered to have a low order of toxicity.

INGESTION: Rinse mouth. DO NOT induce vomiting (aspiration risk). Drink 1/2 cup water. Get immediate medical advice/attention if you feel unwell. Considered to have a low order of toxicity.

SKIN CONTACT: Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Get immediate medical advice/attention if you feel unwell. Considered to have a low order of toxicity.

Note to physicians: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray (fog). Alcohol resistant foam. Dry chemical.

Unsuitable Extinguishing Media: Not determined.

Specific hazards arising from the chemical: Keep containers cool.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment as required. Remove all sources of ignition. Spills may be slippery. Prevent foot traffic.

Environmental precautions: Do not discharge outside. Do not permit to escape directly into creeks or other natural waterways.

Methods for containment: Prevent further leakage or spillage if safe to do so.
Methods for cleaning up spills: Reclaim liquid with mop and bucket, wet vac or automatic scrubber. Rinse area with clean water and dry before permitting traffic.
Clean up in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not deliberately breathe vapors.

Use personal protection recommended in Section 8.

Use only in well-ventilated areas. Protect product quality by keeping containers tightly closed when not in use, avoid pouring unused material back into original container.

Never use food or beverage containers to measure or transport this product. Empty containers contain residues and should not be used for food or beverage.

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep out of reach of children and pets. Protect from direct sunlight. Store at 40-95°F.

Packaging materials: Keep in original container.

Incompatible materials: Bleach, strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls

Appropriate Personal Protective Equipment:

Eye/face protection: Safety glasses recommended with all liquids

Skin and body protection: Waterproof gloves, such as latex, nitrile, etc.

Respiratory protection: Under normal conditions, respirator is not required.

General Hygiene: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|------------------------------|-----------------|------------------------------|----------------|
| pH 7-8 | | Specific gravity | < 1 |
| Melting point/freezing point | Not determined | Water solubility | disperses |
| Boiling point/boiling range | 100 °C / 212 °F | Solubility in other solvents | Not determined |
| Flash point | Not determined | Partition coefficient | Not determined |
| Evaporation rate | 1.0 | Autoignition temperature | Not determined |
| Flammability (solid, gas) | n/a-liquid | Decomposition temperature | Not determined |
| Flammability limits in air: | | Kinematic viscosity | Not determined |
| Upper flammability limit | Not determined | Dynamic viscosity | Not determined |
| Lower flammability limit | Not determined | Explosive properties | Not determined |
| Vapor pressure | Not determined | Oxidizing properties | Not determined |
| Vapor density | Not determined | % Volatiles (water included) | 77-80% |

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Incompatible materials. Heat which might compromise packaging.

Incompatible materials: Bleach, Strong acids.

Hazardous Decomposition Products: Carbon gases not determined

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: Considered to have a low order of toxicity.

Eye contact: Considered to have a low order of toxicity.

Skin Contact: Considered to have a low order of toxicity.

Ingestion: Considered to have a low order of toxicity.

Information on physical, chemical and toxicological effects: please see section 4 of this SDS

Contains no known carcinogens, hormone disruptors, bioaccumulatives, formaldehyde, phthalates or APEOS. Less than 10 grams per Liter VOC

Component Information:

Diethylene glycol ethyl ether CAS #111-90-0

| | | |
|-------------------------|--------------------------|-------------------------|
| Oral LD50 | Dermal LD50 | Inhalation LC50 |
| = 6,031 mg/kg (Mouse) | = 9,143 mg/kg (Rabbit) | 0.025 mg/l (Rat) 8 hr |

Carcinogenicity :

This component is not classifiable as a human carcinogen.

This component is not classified as irritating to skin or eyes.

This component has low sub-chronic toxicity by the oral and dermal routes.

This component is no sub-chronic hazard by the inhalation route.

Repeated dose toxicity (this component): Oral, NOAEL, dog: 1,000 mg/kg/day (OECD 409)

12. ENVIRONMENTAL INFORMATION

Contains no known carcinogens, hormone disruptors, bioaccumulatives, formaldehyde, or APEOs.
 Less than 10 grams per liter reportable VOC

Component Information:

Diethylene glycol ethyl ether (only) CAS #111-90-0

| | | | | |
|---------------------------|-------|-------------------------|--------------|------|
| Ecotoxicity: | | | | |
| Fish: (fresh water) | LC 50 | Ictalurus pumctatus | 6,010 mg/l | 96hr |
| Fish: | LC 50 | Carassius auratus | > 5,000 mg/l | 24hr |
| Aquatic invertebrates | LC 50 | Daphnia magna | > 1,952 mg/l | 48hr |
| Algae/ Plants: | EC 50 | Desmodesmus subspicatus | > 100 mg/l | 96hr |
| Long-term Aquatic invert: | EC 10 | Ceriodaphnia dubia | > 7.38 mg/l | 7day |
| Micro-organisms: | IC 50 | Sewer micro-organisms | > 5,000 mg/l | |

Persistence and degradability: Readily biodegradable in water
 Bioaccumulative potential: Not applicable
 Mobility in soil: Soluble in water. Evaporates slowly.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: dispose of wastes in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging:
 Packaging may be recycled.

Disposal should be in accordance with applicable regional, national and local laws.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

Component Information:

Diethylene glycol ethyl ether CAS #111-90-0

US Federal regulations for this component:
 This component is listed on the TSCA inventory.
 This component is considered VOC exempt (less than 0.1 mmHg @ 20°C Vapor Pressure)

California regulations for this component:
 This component is a glycol ether and therefore considered a HAP in California.

16. OTHER INFORMATION

To preserve product quality keep from repeated freeze-thaw cycles.

U.S. Harmonized Tariff Schedule "B" number: 3405.90.0000 Polish

See right column for general information.



Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

BRILLIANT WORKS

Luminous Floor Coating

Designed for low maintenance situations at schools, including hallways, lobbies and entranceways. Resists powdering, yellowing, clear scuffs, black heel marks. User friendly, low odor, easy to spread, easy to strip, long service life. Hi speed burnish weekly. Dries thicker than an 18% solids finish.

Four to five coats at 2,000 sq.ft./gallon per coat (50 sq.m/Liter), will supply 1/1000 of an inch dry film thickness (= 25 microns), the threshold of durability.

Directions for Vinyl Composite Tile (VCT)

May be applied directly to VCT. No sealer needed. Note: always remove the original "factory" coating from new VCT before applying this product.

Occasional use of mop-down restorer or liquid spray buff prolongs interval between recoats.

Scrub and Recoat of Existing Finish

Since old finish acts as sealer, no new sealer is required. Our coatings normally display high gloss when applied over top of any well-cured finish, regardless of brand, subject to the following guidelines:

The old finish should be thoroughly wet-scoured using recommended HYDROFORCE™ or TURBOFORCE™ deep-scrub solutions using a red, blue, or green scrubbing pad, depending upon soiling. Remove all dust and oil to promote proper leveling.

Do not burnish after deep-scrubbing.
 Do not burnish between coats.

Health and Environment

Contains no formaldehyde. Contains no APEOs which may become environmental hormones. Contains no PFOS based fluorosurfactant and less than 10 grams of reportable VOC per Liter. Complies with CARB 2010.

Eligible for LEED credits.