TITANIUM 25 Floor Polish / SDS

Issue Date: 8-AUG-2015

1. IDENTIFICATION

Product Name: **TITANIUM 25** Ultra Bright Floor Polish
Other means of identification: floor finish, floor coating, floor wax
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 / 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 Emergency Room and consult 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 Emergency Room and consult 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 CO_2, 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. 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. Rinse area with clean water and dry before permitting traffic.

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 locked up and 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)	75%

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, 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)

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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.

TITANIUM 25

Ultra Bright Floor Polish

Excellent film clarity. Superior burnish response. Resists black heel marks, scuffing, powdering and discoloration. Easy to strip. Scrub and-recoat as needed (see below). Low odor formulation used in hospitals, nursing homes, schools, offices and retail environments.

This product dries 38% thicker than an 18% solids finish. Four coats applied at 2000 sq.ft./gallon per coat (50 sq.m/Liter), will be 1/1000 of an inch thick = 25 microns thick, the minimum film thickness for good durability.

Apply directly to VCT. For NEW VCT, remove the factory coating using a stripper according to direction with blue or green pads. Apply two coats of removable INTERSEALER over bare terrazzo, concrete, or linoleum floors. Do NOT apply this product directly to bare terrazzo or concrete.

USFT polishes are compatible with many existing floor coatings. Testing is advised for other brands of finish, but normally this displays superior gloss when applied over top of any other well-cured finish, regardless of brand, subject to the following guidelines:
1. The old finish should be thoroughly wet-scoured with recommended HYDROFORCE™ or TURBOFORCE™ using a blue, or green scrub pad.
2. To improve adhesion and prevent dust, do not burnish after scrubbing
3. To avoid hazing and stickiness, do not apply more than 2 recoats over existing finish in 24 hrs.

Health and Environment
Contains no formaldehyde, no phthalates or biopersistant toxins. It qualifies for LEED credits, containing less than 10 grams per liter of VOC as specified by the CARB standard for 2010.

End of SDS