

# Material Safety Data Sheet

Global Safe Technologies (Australia) Pty Ltd

**Date Prepared:** 2 August 2007

## FLOORTUFF GREEN

**Replaces:** New

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### 1 Identification

**Product Name:** Floor Tuff Green  
**Other Names:** Viro Tuff  
**Uses:** Anti-slip coating for floors, walkways, stairs, etc.

#### Supplier -- Australia

**Name:** Global Safe Technologies (Australia) Pty Ltd  
**Address:** 14 Astley street, Edensor Park, NSW 2176  
**Telephone:** 1 300 668 620

#### Supplier -- New Zealand

**Name:** Global Safe Technologies NZ and Pacific Islands  
**Address:** Langtry, 54 State Highway 2, Opaki, Masterton  
**Telephone:** (06) 3777555

### 2 Hazards Identification

Not classified as hazardous according to the criteria of NOHSC.  
Not classified as dangerous goods according to the criteria of the Australian Dangerous Goods Code (ADG 6).

### 3 Composition / Ingredients

<b>Identity (Other Names)</b>	<b>CAS Number</b>	<b>Proportion</b>
A blend incorporating a synthetic acrylic emulsion, aliphatic urethane acrylate, fillers and colours	None	100%

### 4 First Aid Measures

**Swallowed:** Do not induce vomiting. Give plenty of water to drink. Rinse out mouth. Seek medical assistance or contact the Poisons Information Centre. Phone Australia 13 11 26 or New Zealand 0800 764 766.

**In Eye:** Flush thoroughly with clean water, holding eyelid open to flush product from under the lid. Removal of contact lenses after injury should be done by a skilled or medical person. If irritation is significant or persists, seek medical advice.

**On Skin:** Remove contaminated clothing and wash before re-use. Wash exposed skin and hair with soap and water. If irritation develops, seek medical advice.

**Inhaled:** Remove to fresh air and keep at rest in a position comfortable to breathing.

### 5 Fire Fighting Measures

**Extinguishing Media:** Not readily combustible. Use extinguishing

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<b>Hazardous Combustion Products:</b>	media suitable for underlying fire. May emit acrid smoke and asphyxiating fumes including ammonia, carbon monoxide and carbon dioxide.
<b>Precautions for Fire Fighters:</b>	Wear self-contained breathing apparatus and eye protection. Heat may cause violent rupture of containers. Remove containers if safe to do so. Containers that can not be removed should be kept cool with water spray if possible.
<b>Hazchem Code:</b>	None assigned -- use precautions as appropriate to underlying fire.

### 6 Accidental Release Measures

<b>Emergency Procedures:</b>	In fire, remove all non-essential personnel. Decomposition of the product may produce acrid and asphyxiating gases including ammonia, carbon monoxide and carbon dioxide. If ventilation is limited, wear self-contained breathing apparatus. In most other situations, product is considered to be of low hazard. However, as with any chemical substance it is recommended that precautions be taken against skin or eye contact with the product and to minimise inhalation of vapours/fumes.
<b>Containment of Spill:</b>	In case of spill, avoid breathing vapours and contact with skin and eyes. Prevent spills from entering drains, sewers and waterways. Cover spill with absorbent material (e.g. sand, soil or vermiculite) and collect into labelled containers for disposal in accordance with local regulations.

### 7 Handling and Storage

<b>Precautions for Safe Handling:</b>	As with any chemical substance, avoid skin and eye contact and inhalation of vapours/fumes.
<b>Conditions for Safe Storage:</b>	Store in the original container in a cool, dry area out of reach of children. Avoid freezing. Best stored at temperatures between 0°C and 35°C.

### 8 Exposure Controls / Personal Protection

<b>Exposure Standards:</b>	No exposure limits established for the product or its major components. Product may contain negligible quantities of ammonia:
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Ingredient	TWA	STEL	Reference
Ammonia	25 ppm / 17 mg/m <sup>3</sup>	35 ppm / 24 mg/m <sup>3</sup>	ASCC & OSH WES

**Engineering Controls:**

None normally required. If ventilation is inadequate, use forced air ventilation.

**Personal Protective Equipment:**

**Gloves:**

Rubber or PVC. Do not use solvent to clean the skin.

**Eyes:**

Safety goggles. The wearing of contact lenses poses as an additional risk. Soft lenses may absorb irritants and all lenses concentrate them.

**Footwear:**

Safety footwear that encloses the foot. Do not wear open-toed sandals or similar.

**Clothing:**

No special requirement. Clothing should minimise potential skin contact with product.

### 9 Physical and Chemical Properties

**Appearance:**

Coloured, creamy liquid with aggregates.

**Vapour Pressure:**

As for water.

**Boiling Point/range:**

100°C

**Solubility:**

Miscible in water until fully cured.

**Specific Gravity / Density:**

1.05 to 1.10

**Flash Point:**

Not flammable.

### 10 Stability and Reactivity

**Chemical Stability:**

Stable under normal conditions.

**Conditions to Avoid:**

Heat and flames -- thermal decomposition can result in release of irritating and/or asphyxiating fumes.

**Incompatible Materials:**

None known.

**Hazardous Decomposition Products:**

In fire, can decompose to produce acrid fumes and asphyxiating gases including ammonia, carbon monoxide and carbon dioxide.

**Hazardous Reactions:**

Not known to occur.

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### 11 Toxicological Information

#### Acute

- Swallowed:** Low toxicity. Irritating to the gastrointestinal tract. Ingestion may result in nausea, abdominal irritation and vomiting.
- In Eyes:** Causes discomfort to the eyes and may produce mild, temporary redness of the conjunctiva. Temporary impairment of vision and and/or other transient eye damage may occur. Vapour is mildly discomforting to eyes.
- On Skin:** Mildly irritating. Dermatitis may result from prolonged contact. Avoid contact with damaged or irritated skin.
- Inhaled:** Product is not volatile. Vapour, which may cause irritation to nose throat and respiratory system, may be present at elevated temperatures.

#### Chronic

No known chronic health affects. Prolonged repeated skin contact may cause drying with cracking. Irritation and possible dermatitis may result from extended exposure.

### 12 Ecological Information

- Ecotoxicity:** No information available.
- Persistence /Degradability:** No information available.
- Mobility:** No information available.
- Environmental Fate:** No information available.
- Bioaccumulation Potential:** No information available.
- Other Adverse Effects:** No information available.

### 13 Disposal Considerations

- Disposal Methods:** Dispose in accordance with local regulations.
- Special Precautions:** Do not allow product or empty containers to contaminate drains, sewers or waterways.

### 14 Transport Information

- UN Number:** None allocated
- Proper Shipping Name:** None allocated
- Class (Subsidiary Risk):** None allocated
- Packing Group:** None allocated
- Special Precautions for User:** None allocated
- Hazchem Code:** None assigned -- use precautions as appropriate to underlying fire.

### 15 Regulatory Information

- Registration/Notification:** All ingredients are listed on AICS.

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### 16 Other Information

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#### Glossary

**ACGIH** - American Conference of Governmental and Industrial Hygienists.

**ASCC** - Australian Safety and Compensation Commission.

**BCF - Bioconcentration Factor** - ability to accumulate a chemical in an organism to levels greater than in the surrounding medium. Calculated by dividing the concentration of a chemical in an organism by the concentration in the surrounding medium.

**EC<sub>50</sub>** - median effective concentration. The concentration of a substance that causes a specified response/effect in an organism or population.

**Explosive Limits** - The range of concentrations (% by volume in air) of a flammable gas or vapour that can result in an explosion in a confined space.

**K<sub>oc</sub>** - the organic carbon partition coefficient (mL soil water /g organic carbon).

**LC<sub>50</sub>** - Lethal Concentration 50%. The concentration of a substance that kills 50% of a target population.

**LD<sub>50</sub>** - Lethal Dose-50%. The dose of a substance that kills 50% of a target population.

**NOAEL** - The highest dose or concentration of a substance used in a test/study that does not produce any observable adverse effects in the target organism.

**NOEL** - The highest dose or concentration of a substance used in a test/study that does not produce any observable effects in the target organism.

**pH** - Measure of how acidic or alkaline a material is using a 1 - 14 scale. pH 1 is strongly acidic and pH 14 strongly alkaline.

**Polymerisation** - a chemical reaction in which molecules (monomers) combine to form larger molecules (polymers). A hazardous polymerisation reaction is one that occurs at a fast rate and releases large amounts of energy.

**P<sub>ow</sub>** - The octanol-water partition coefficient. The ratio of the concentration of octanol and in water at equilibrium and at a specified temperature used in environmental studies to indicate fate of chemicals and the environment.

**STEL** - Short-Term Exposure Limit. The maximum concentration of a substance that workers can be exposed to for periods up to 15 minutes without adverse effects e.g. irritation, tissue damage, narcosis (drowsiness or unconsciousness).

**TWA** - Time Weighted Average. The time weighted average concentration of a substance that most workers may be repeatedly exposed to over a 8-hour or 40-hour week without adverse effect.

#### References

Prepared using data supplied by manufacturer and public databases.