

FLOORSTAR TILE AND GROUT RESTORER

Product: 174

Revision date: 2004/06/11

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Manufacturer: ServiceMaster Clean
860 Ridge Lake Blvd.
Memphis, TN, USA 38120
800-756-5656.

Manufacturer emergency phone number: Chemtrec 800-424-9300 (24h). Canutec 613-996-6666.

Product name: FloorStar Tile & Grout Restorer

Formula: Not available.

Section 2 : INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
111-76-2	15 - 40	2-BUTOXY ETHANOL	20 PPM	470 MG/KG RAT ORAL 1167 MG/KG MOUSE ORAL 300 MG/KG RABBIT ORAL 220 MG/KG RABBIT DERMAL	450 PPM/4H RAT INHALATION 700 PPM/7H MOUSE INHALATION 3380 MG/M3/7H MOUSE INHALATION 2900 MG/M3/7H RAT INHALATION
141-43-5	5 - 10	ETHANOLAMINE	3 PPM	1720 MG/KG RAT ORAL 700 MG/KG MOUSE ORAL 1 ML/KG RABBIT DERMAL 1000 MG/KG RABBIT ORAL	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: This product contains 40-70% water (CAS# 7732-18-5).

Note: In accordance with OSHA's Hazard Communication Standard, ingredients listed in this section are those identified as being hazardous and present at concentrations greater than 1%, or greater 0.1% if the substance is a listed carcinogen.

Information concerning ingredients identified as "Proprietary" will be made available as provided in 29 CFR 1910.1200(i).

Section 3 : HAZARD IDENTIFICATION

Emergency Overview: Amber liquid with solvent odor.

Corrosive and combustible material. Causes severe eye damage and chemical burns to skin and digestive tract. May cause blindness. May be absorbed through the skin. May cause skin sensitization. Harmful if swallowed.

Route of entry: Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause blindness. Causes chemical burns.

Skin contact: Onset of pain may be delayed. May be absorbed through the skin. Causes chemical burns.

Inhalation: May irritate respiratory tract.

Ingestion: Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Effects of chronic exposure: May cause liver and kidney damage. May cause blood damage. May lead to absorption of harmful amounts. Prolonged or repeated contact with diluted solutions may cause drying, defatting and dermatitis.

Sensitization to product: May cause skin sensitization.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 4 : FIRST AID MEASURES

Skin contact: Flush with large amounts of water, for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.

Eye contact: Obtain immediate medical attention. Remove contact lenses, if any, after the initial flushing, and then continue flushing.

Inhalation: Remove victim to fresh air. If irritation persists, seek medical attention.

Ingestion: Rinse mouth with water several times. Obtain medical attention. Do not induce vomiting. Give 1-2 glasses of water. Never give anything by mouth to an unconscious person.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 5 : FIRE FIGHTING MEASURES

- Flammability:** Combustible.
- Conditions of flammability:** Heat, sparks and open flames.
- Extinguishing media:** Alcohol foam, dry chemical or carbon dioxide (CO₂).
- Special procedures:** Firefighters should wear the usual protective gear. Wear a self contained breathing apparatus.
- Auto-ignition temperature (°C):** Not available.
- Flash point (°C), method:** Tag Closed Cup. 74°C (165°F)
- Lower flammability limit (% vol):** Not available.
- Upper flammability limit (% vol):** Not available.
- Explosion Data**
- Sensitivity to static discharge:** Not available.
- Sensitivity to mechanical impact:** Not available.
- Hazardous combustion products:** Oxides of nitrogen (NO_x). Oxides of carbon (CO_x). Ammonia (NH₃).
- Rate of burning:** Not available.
- Explosive power:** Not available.

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Eliminate all sources of heat and ignition. Absorb spill with an inert absorbent material. Prevent entry into drains, sewers, and other waterways. Wear appropriate protective equipment. Place in covered and labelled container.

Section 7 : HANDLING AND STORAGE

- Handling procedures and equipment:** Use adequate ventilation. Wear personal protective equipment appropriate to task. Avoid breathing vapors. Wash thoroughly after handling. Keep out of reach of children. Destroy or thoroughly clean contaminated shoes. Avoid contact with skin, eyes and clothing. Launder contaminated clothing prior to reuse.
- Storage requirements:** Store away from incompatible materials. Keep containers closed when not in use. Keep away from heat, sparks, and open flames. Store in a cool, dry and well ventilated area.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Rubber gloves.

Respiratory/Type: Not necessary, if adequate ventilation provided.

Eye/Type:



Splash proof chemical goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: As required to prevent skin contact.

Ventilation requirements: General ventilation usually adequate.

Exposure limit of material: Not available for mixture, see the ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:** Liquid.
- Appearance & odor:** Solvent odour. Clear Yellow-amber. Water thin.
- Odor threshold (ppm):** Not available.
- Vapour pressure (mmHg):** Not available.
- Vapour density (air=1):** Not available.

Volatiles (%)

By volume: Not available.

Volatiles (%)

By weight: Not available.

Evaporation rate
(butyl acetate = 1): Not available.

Boiling point (°C): Not available.

Freezing point (°C): Not available.

pH: 11.6 – 11.8 (100%)

Specific gravity @ 20 °C: (water = 1). 0.975 – 0.985

Solubility in water (%): Complete.

Coefficient of water/oil dist.: Not available.

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Product is stable.

Conditions of instability: Reacts with metals.

Hazardous polymerization: Not available.

Incompatible substances: Acids Caustics. Metals. Oxidizers.

Hazardous decomposition
products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species &
route: Not available for mixture, see the ingredients section.

LC50 of product, species &
route: Not available for mixture, see the ingredients section.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: No data at this time.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: Dispose in accordance with local, provincial/state, and federal regulations.

Hazardous Waste
Classification: Not available.

Section 14 : TRANSPORT INFORMATION

D.O.T. CLASSIFICATION: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (2-aminoethanol)
UN3267
Class 8
PG III.



Section 15 : REGULATORY INFORMATION

**WHMIS Regulatory
Information**

WHMIS classification: B3, E, D2B.



DSL status: All ingredients are listed on the DSL/NDL.

OSHA Regulatory Information

TSCA inventory: All the chemicals in this product are on the TSCA inventory list or are otherwise exempt from TSCA requirements, such as impurities, by-products and unwanted constituents.

SARA hazard categories Immediate (Acute) Health Hazard: Yes. Delayed (Chronic) Health Hazard: Yes. Fire Hazard: Yes. Sudden Release of Pressure: No.
sections 311/312: Reactive: No.

SARA Section 313: Not regulated.

CERCLA reportable quantity: Not regulated.

CA Proposition 65: None

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2003/08/01

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