



**SAFETY DATA SHEET**  
**FOR**  
**TILE & GROUT FLOOR CLEANER CONCENTRATE**

REVISION DATE: 04/24/2015  
VERSION 5

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**I. PRODUCT AND COMPANY IDENTIFICATION**

<b>Manufacturing Company</b>	<b>24 Hour Emergency Response Information</b>
ML Distribution, Inc. 2800 W. Airport Blvd. Sanford, FL. USA	Infotrac: 1-800-535-5053
<b>Product Name:</b>	Tile & Grout Floor Cleaner Concentrate
<b>Chemical Family:</b>	(Mixture)

**II. HAZARDS IDENTIFICATION**

Single Word:    **WARNING**  
Irritating to the eyes and skin.  
May cause sensitization by skin contact.  
May be harmful if swallowed.

State of matter:   Liquid

Color:            Orange  
Odor:             Citrus odor

HMIS Rating:

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>

PERSONAL PROTECTION  

Potential health effects

Primary routes of exposure:  
Routes of entry for liquids include eye, skin contact, ingestion and inhalation.

**Acute Toxicity:**

May be harmful if swallowed. Ingestion may cause gastrointestinal disturbance. Exposure to high concentration of vapors may cause irritation of the respiratory tract, headache and nausea. This product has not been tested. The statement has been derived from the properties of the individual components.

**Eye:**

Causes moderate to severe irritation, experienced as discomfort or pain, excess blinking and tear production, with marked excess redness and swelling of the conjunctiva.

**Sensitization / skin contact:**

Brief contact is not irritating. Prolonged contact may cause discomfort and local redness.

**Ingestion:**

Low Toxicity. May cause nausea.

**Inhalation:**

Remove to fresh air. No evidence of adverse effects from available information.



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**Chronic toxicity:**

Effects of repeated overexposure:

No evidence of adverse effects from available information.

Other effects of overexposure:

There are literature reports that skin contact with a component of this product may cause sensitization and an allergic reaction in a small proportion of individuals.

**Significant laboratory data:**

Relevance to human health hazard evaluation:

The product has not been tested. The statement has been derived from the properties of the individual components

**III. Composition / Information on Ingredients**

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Common Chemical Name</u>
7732-18-5	80-85%	Distilled water
5989-27-5	12-16%	d-Limonene
67-63-0	2-5%	Isopropyl Alcohol
	1-2%	Trade Secret
633-96-5	<.005%	Pigment Dye Powder
1936-15-8	<.005%	Pigment Dye Powder

**IV. First Aid Measures**

General advice:

Remove contaminated clothing.

If inhaled:

Remove to fresh air, seek medical attention. Assist in breathing if necessary.

If on skin:

Wash skin with soap and water

If swallowed:

If a large volume (several ounces) has been swallowed do not induce vomiting. Give two glasses of milk or several ounces of milk of magnesia may be given for their soothing effect. Obtain medical attention.

If in eyes:

Immediately flush eyes thoroughly with water for 15-30 minutes, keeping eyelids apart and away from eyeball during irrigation. Get medical attention immediately, preferably an eye specialist. If a physician is not immediately available, apply 1 or 2 drops of 0.5% Tetracaine solution following directions on the label. Follow by a second irrigation for 15 minutes.

NOTES TO PHYSICIAN:

Irrigate with 1% Calcium gluconate in normal saline drops to prevent or lessen corneal damage.



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**V. Fire-Fighting Measures**

Flash Point (test method(s)): None by closed cup ASTM D 93.  
Auto ignition: Based on the water content the product does not ignite.  
Flammable Limits in Air, by volume: LOWER: Not Determined (Aqueous System)  
UPPER: Not Determined (Aqueous System)  
Suitable extinguishing media:  
Non-flammable (Aqueous System): Water spray, CO<sub>2</sub>, dry powder, foam.  
Special Fire Fighting Procedures: Fire fighters may need self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards: None known.  
Protective equipment for fire-fighting: Fire fighters may need self-contained breathing apparatus.

**VI. Accidental release measures**

**Personal Precautions:**  
Use personal protective clothing.  
**Environmental precautions:**  
Small spills can be flushed with large amounts of water. Larger spills should be collected for disposal.  
**Waste Disposal Method:**  
At very low concentration in water, this material is biodegradable in a biological wastewater treatment plant.

**VII. Handling and Storage**

Handling

General advice:  
Avoid eye and skin contact. Use NIOSH approved eye protection and NIOSH latex or rubber gloves. Wear suitable protective clothing.

Storage

Store protected against freezing. Keep away from oxidizing agents, nitric acid, alkalis, chlorates, sulfides, etc.  
Store in proper acid-resistant container. Emptied containers retain product residues.

**VIII. Exposure Controls and Personal Protection**

Components with workplace control parameters

Chemical Name	CAS	% WT	TLV	PEL
d-Limonene	5989-27-5	100		

ACGIH time weighted average 20 ppm  
NIOSH Recommended exposure limit (REL) 5 ppm  
NIOSH Recommended exposure limit (REL):24 mg/m<sup>3</sup>  
OSHA Z1 Permissible exposure Limit 50 ppm  
OSHA Z1 Permissible exposure Limit 240 mg/m<sup>3</sup>

Personal Protection Equipment

**Hand protection:**

Chemical resistant protective gloves

**Eye protection:**

Tightly fitting safety goggles (chemical goggles) and face shield.

**General safety and hygiene measures:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.



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**IX. Physical and Chemical Properties**

Form:	Liquid
Odor:	Citrus
Color:	Orange
pH Value:	13-14 (25 °C)
Freezing Point:	0 °C
Boiling Point:	>100 °C
Evaporation Rate:	
(Butyl Acetate = 1)	>1
Specific Gravity:	(H2O =1) 1.01 G/ml
Solubility in water:	Diluted with water
Relative density:	No data available
Vapor Pressure:	Not determined

**X. Stability and Reactivity**

**Conditions to avoid:**

See SDS section 7 – Handling and storage

**Hazardous reactions:**

No hazardous reactions when stored and handled according to the instructions. This product is chemically stable.

**Decomposition products:**

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

**XI. Toxicological Information**

Irritation /corrosion

Skin:

Result: Possible irritating

The product has not been tested. The statement has been derived from the properties of the individual components.

Eye:

Result: Irritating

The product has not been tested. The statement has been derived from the properties of the individual components.

Sensitization:

Result: Possible irritating

The product has not been tested. The statement has been derived from the properties of the individual components.

Aspiration Hazard:

Result: No aspiration hazard expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

Other Information:

The product has not been tested. The statement has been derived from the properties of the individual components.



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**XII. Ecological Information**

Fish:

Result on: Trade Secret

Fish/LC50 (96 h): <1mg/l

The product has not been tested. The statement has been derived from the properties of the individual components.

Chronic: No data available

Aquatic invertebrates:

Result on: Trade Secret

Daphnia/EC50 (48 h): <1mg/l

The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation: No data available

Other adverse effects:

The product has not been tested. The statement has been derived from the properties of the individual components.

**XIII. Disposal considerations**

Waste disposal of substance:

Disposal of in accordance with Federal, national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Disposal of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**XIV. Transport Information**

Land transport

USDOT

Not classified as a dangerous good under transport regulations.

Proper Shipping Name: N/A

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code: Single word: WARNING

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

Not classified as a dangerous good under transport regulations



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**XV. Regulations**

The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations. Trade Secrets are indicated by "TS."

Federal Regulations

Registration status:  
Chemical TSCA, US released / listed

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the Reportable Quantities (RQs) in 40 CFR 302.4. Components present in this product at a level, which could require reporting under the statute, are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level, which could require reporting under the statute, are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSS that are copied and distributed for this material. Components present in this product at a level, which could require reporting under the statute, are:

CHEMICAL: CONCENTRATION %	CAS NUMBER	UPPER BOUND
d-Limonene	7732-18-5	2.5

STATE Regulation "Right-To-know"  
CALIFORNIA Proposition 65

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects, or other reproductive harm, which would require a warning under the statute.

CALIFORNIA RULE 443.1 VOC'S: \*\*\*\* NOT APPLICABLE \*\*\*\*

MASSACHUSETTS 105 CMR 670.000 Right-To-Know, Substance List

Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components in this product at a level, which could require reporting under statute, are:

\*\*\*\* NONE \*\*\*\*

PENNSYLVANIA Right-To-Know, Hazardous Substance List  
Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products. Components present in this product at a level, which could require reporting under the statute, are:

\*\*\*\* NONE \*\*\*\*

TSCA INVENTORY STATUS: The ingredients of this product are on the TSCA inventory.

\*\*\*\* NONE \*\*\*\*



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**XVI. Other Information**

NFPA Hazard codes:

Health: 1      Fire: 0      Reactivity: 0      Special:

HMIS III rating:

Health: 1      Flammability: 0      Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of for indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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SDS converted to new format and prepared on 4/1/14

**IMPORTANT:** While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/usage, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property right of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale, further, you expressly understand and agree that the descriptions, designs, data, and information furnished by MARBLELIFE, ML Distribution, Inc., its vendors and suppliers hereunder are given gratis and MARBLELIFE, ML Distribution, Inc., its vendors and suppliers assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

MARBLELIFE urges customers or recipients of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this SDS.

To promote safe handling, each customer or recipient should notify its employees, agents, contractors and others who it knows or believes might come in contact with this material of the information in this SDS and any other information regarding hazards or safety.



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Revised Sections:

12/2008: Section 1: New product: Max Out Tile and Grout Cleaner Concentrate

01/2011: Section 1: Address change

02/01/2014 Section 1: Name Changed to Tile & Grout Floor Cleaner Concentrate

04/01/2014 Modification of this SDS per Hazard Communication Standard (HCS) to conform with the United Nations' (UN) Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and per HazCom 2012.

04/24/2015: Section 1: Address change

Printed in USA