



INTERNATIONAL STONEWORKS, INC.

2523 FAIRWAY PARK, SUITE 510 • HOUSTON, TEXAS 77092
(713) 956-8291 • FAX (713)956-8293 • 1-800-775-TILE
www.intlstoneworks.com • email: sales@intlstoneworks.com

TILE & GROUT RESTORER (TGR)
CAL Number: I2454

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MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: TILE & GROUT RESTORER (TGR)

Company Identification

International Stoneworks, Inc.
2523 Fairway Park Drive, Ste 510
Houston, Texas 77092 USA
1-713-956-8291 (For product information)

24 Hour Emergency Contact:

CHEMTREC 1-800-424-9300 (within USA)
CHEMTREC 1-703-527-3887 (outside USA)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name -----	Amount -----	CAS Number -----
UREA HYDROCHLORIDE	< 50.0 %	506-89-8

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

COMPOSITION COMMENT:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

HAZARDS DISCLOSURE

As defined under Sara 311 and 312, this product contains materials that are acute, reactive hazards.



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3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
*                               WARNING!
*                               CORROSIVE LIQUID
*
* May cause skin, eye, or respiratory tract
* irritation. Vapors irritating to eyes and
* Respiratory tract.
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HMIS Rating -
                Health: 2
                Flammability: 0
                Reactivity: 2
Personal Protection Index: X

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NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the national Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

POTENTIAL HEALTH EFFECTS

EYE:
Can cause severe eye irritation.

SKIN:
Contact causes skin irritation.

INHALATION:
Vapors are irritating to the eyes, nose, throat, and lungs.

INGESTION:
May be harmful if swallowed or inhaled. Irritating to mouth, throat, and stomach. Maybe fatal if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE:
Irritation as noted.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:
May aggravate pre-existing eye, skin or respiratory tract conditions upon contact.

Notes to Physicians:
Activated charcoal mixture may be beneficial. Suspend 50g activated charcoal in 400ml water and mix well.
Administer 5mg.kg, or 350 ml for an average adult.



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4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT FIRST AID:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention.

INGESTION FIRST AID:

For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Auto ignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

FLAMMABLE PROPERTIES:

Use self-contained breathing apparatus and protective equipment.

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS:

At temperatures above 140 F reaction with metals may release hydrogen, a highly flammable gas.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid breathing smoke, fumes, and decomposition products.



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COMBUSTION PRODUCTS:

Burning may produce hydrogen gas, a highly flammable gas.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Avoid breathing vapor. Ventilate spill area. Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

LARGE SPILLS PROCEDURE:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Absorb spills with inert material.

MISCELLANEOUS:

Flush spill area with water.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes. Do not get on skin and clothing. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

HANDLING (PHYSICAL ASPECTS):

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Keep container closed to avoid contamination. Store in a cool dry area.

STORAGE PRECAUTIONS:

Keep container tightly closed. Keep away from heat, sparks, and flame.

SPECIAL SENSITIVITY:

Metal contact may release hydrogen gas which is flammable.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses with side shields (or goggles) and a face shield.

SKIN PROTECTION REQUIREMENTS:

Nitrile, neoprene or natural rubber gloves. Wear protective gloves to minimize skin contamination.

RESPIRATORY PROTECTION REQUIREMENTS:

If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

MISCELLANEOUS:

Observe the usual precautions for handling any chemical substance.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Clear/colorless to pale yellow
ODOR: Characteristic
VAPOR PRESSURE: N.A. psia
VAPOR DENSITY: N.A. (Air = 1)
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 1.100 Average (Water = 1)
MELTING/FREEZING POINT ...: N.A. C
PH: 1



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STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong alkali, oxidizing agents and reducing agents.
Avoid contact with metals.

DECOMPOSITION:

Thermal decomposition may produce hydrogen gas which is flammable and explosive. Burning may produce oxides of carbon, nitrogen and chlorine. Hydrogen gas may be released upon contact with metals.

CONDITIONS TO AVOID:

Avoid contact with bases and metals.

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL.....: TILE & GROUT RESTORER

D.O.T. SHIPPING: for 2oz, 24oz, pint/ Consumer Commodity, ORM D

D.O.T. SHIPPING: for gallon, 5 gallon & drum

Corrosive Liquid N.O.S.(Urea Hydrochloride),8, UN 1760, PG III

Label: Corrosive



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15. REGULATORY INFORMATION

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

16. OTHER INFORMATION

Prepared By.....: cjl
Approved By.....:
Title.....: Environmental Manager
Approval Date.....:
Supercedes Date...: January, 2005
CAL Number.....: I2454

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of International Stoneworks, Inc. The data on this sheet are related only to the specific material designated herein. International Stoneworks, Inc. assumes no legal responsibility for use or reliance upon these data.

END OF MSDS
