



INTERNATIONAL, LLC

MATERIAL SAFETY DATA SHEET

Easyway International, LLC

MSDS

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: EASYWAY TILE & GROUT CLEANER

Manufacturer: HANSON LORAN CO.
Specialty Chemicals
6700 Caballero Blvd.
Buena Park, CA 90620

Product information: 1-714-736-9811

For chemical emergency, spill, leak, fire, exposure or accident, day or night call CHE
In North America call 1-800-424-9300
International, call 1-703-527-3887 (collect calls accepted)



2. COMPOSITION INFORMATION

Component	CAS Number	%	OSHA Hazard	Exposure Limits
Hydrogen chloride	7647-01-0	10-15%		5 ppm (TWA)

* As defined by SARA, Title 3 and California Proposition 65.

**Not Established

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Characteristics: Clear, colorless liquid, slight odor.

Warning Statements: May cause severe eye and skin burns, may be fatal if swallowed.

Potential Health Effects

EYES: May cause severe eye burns.

SKIN: May cause irritation and burns.

INHALATION: Not a hazard under normal conditions. Heating may produce hazardous fumes.

INGESTION: May cause severe burns of the mouth and throat. Can be fatal in small amounts.

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3. HAZARDS IDENTIFICATION (CONTINUED)

SIGNS and SYMPTOMS: Skin irritation and burns.

4. FIRST AID MEASURES

EYES: Rinse with large quantities of water. Get medical attention.

SKIN: Rinse with large quantities of water. Remove contaminated clothing.

INHALATION: Remove to fresh air. For prolonged exposure get medical attention.

INGESTION: Do not induce vomiting. Dilute stomach contents with water. If vomiting occurs give fluids. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD): None

FLAMMABILITY CLASS: Not applicable

FLAMMABILITY LIMITS IN AIR, % BY VOLUME, None

FIRE AND EXPLOSION HAZARD: Emits toxic fumes when heated to decomposition.

EXTINGUISHING MEDIA: CO₂, or water spray.

FIRE FIGHTING INSTRUCTIONS: No special procedures established

6. ACCIDENTAL RELEASE MEASURES

STEPS TO TAKE IF MATERIALS IS SPILLED OR RELEASED:

Stop spill at source. Avoiding contact, collect spills in appropriate containers for disposal. Do not allow this material to enter sewer system untreated.

SPILL PRECAUTIONS: Spill areas, such as floors, may become slippery. Dilution or neutralization may generate heat.

7. HANDLING AND STORAGE

STORAGE AND TRANSPORTATION CONDITIONS:

HANDLING: Handle with caution. Avoid all contact.

STORAGE: Store in cool area. Keep containers tightly closed when not in use.

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8. PERSONAL PROTECTION AND EXPOSURE CONTROLS

RESPIRATORY PROTECTION: Use with adequate ventilation. Respirator not normally required.

VENTILATION: Local exhaust recommended.

PROTECTIVE GLOVES: Latex, Neoprene or PVC.

EYE PROTECTION: Goggles or full face shield. Make eye wash available.

OTHER PROTECTIVE EQUIPMENT: Acid resistant safety boots and clothing.

EXPOSURE GUIDELINES:

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Pale Yellow/green, liquid, slight odor.

BOILING POINT: >100 C

SPECIFIC GRAVITY (H2O=1): 1.11

WATER SOLUBILITY (% VOL): Soluble

VAPOR DENSITY: Unknown

MELTING POINT: <0 C

% VOLATILES BY VOLUME: 60-70% (water)

pH (neat, unless specified): 1.0

VAPOR PRESSURE @ 20°C Unknown

EVAPORATION RATE (BUTYL ACETATE = 1): <1

10. STABILITY AND REACTIVITY

STABILITY: Product is stable

CONDITIONS TO AVOID: Heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride gas.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

11. TOXICOLOGICAL INFORMATION

EYES: None established, may cause severe, non reversible corneal injury.

SKIN: Not established, known to cause severe burns with long term exposure.

INHALATION: Hydrochloric acid (concentrated): LC50: 3124 ppm/1H (rat).

INGESTION: Hydrochloric acid (concentrated); LD50: 900 mg/kg (rabbit)

CHRONIC TOXICITY: Unknown

CARCINOGENICITY: None

12. ECOLOGICAL INFORMATION

ECOTOXICITY: This material is expected to be toxic to aquatic life.

ENVIRONMENTAL FATE: When released into the soil, this material is not expected to biodegrade.
When released into the soil, this material may leach into groundwater.

13. DISPOSAL INFORMATION

WASTE DISPOSAL METHODS:

Waste disposal procedures must be in accordance with government and local regulations.
Material can be slowly dilute with large quantities of water and neutralized prior to disposal.

EMPTY CONTAINER DISPOSAL:

Dispose of container and unused contents in accordance with federal, state and local requirements.

WASTE CLASSIFICATION: Should be handled as hazardous waste and sent to a RCRA approved waste facility.

14. TRANSPORTATION INFORMATION

DOT & IATA INFORMATION

SHIPPING NAME: HYDROCHLORIC ACID

HAZARD CLASS: 8

UN/NA NUMBER: UN1789

PACKAGING GROUP: II

LABELS REQUIRED: Corrosive

15. REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS:

CERCLA SECTION 103: This product contains the following chemicals that require notification of the National Response Center of release of quantities greater than the reportable quantity:

RQ 5000

SARA SECTION 302: This product contains the following chemicals requiring emergency planning:

None

SARA SECTION 311/312 HAZARD CATEGORIES:

Acute health hazard.

SARA SECTION 313: This product contains the following chemicals subject to the reporting requirements of the Emergency Planning and Community Right to Know Act:

Hydrochloric Acid

STATE RIGHT-TO-KNOW REGULATIONS:

California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer or birth defect.

INTERNATIONAL REGULATIONS:

Australian Hazchem Code: 2R

Chemical Inventory status: EC, Japan, Australia, Korea, DSL, NDSL, Phil

CHEMICAL INVENTORIES: This product's ingredients are on the following chemical inventories:

TSCA

16. OTHER INFORMATION

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS)

HEALTH	3
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	D

SUMMARY OF RATING SCALE

- 0 No significant risk to health
- 1 Slight hazard
- 2 Moderate hazard
- 3 Serious hazard
- 4 Sever hazard

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EHW&SR 809

Last revision: 8/21/09-JS

DEFINITIONS

SUMMARY OF HMIS RATINGS

HEALTH HAZARD RATINGS

- 0 No significant risk to health.
- 1 Irritation or minor reversible injury possible.
- 2 Temporary or minor injury may occur.
- 3 Major injury likely useless prompt action is taken and medical treatment is given.
- 4 Life-threatening, major or permanent damage may result from single or repeated exposures.

FLAMMABILITY HAZARD RATINGS

- 0 Materials that are normally stable and will not burn unless heated.
- 1 Materials that must be preheated before ignition will occur. Flammable liquids in this category will have flash points at or above 200°F (NFPA Class IIIB).
- 2 Materials that must be moderately heated before ignition will occur, including flammable liquids with flash points at or above 100°F and below 200°F (NFPA Class II & IIIA).
- 3 Materials capable of ignition under almost of all normal temperature conditions, including flammable liquid with flash points 73°F and boiling points above 100°F as well as liquids with flash between 73°F and 100°F (NFPA Class IB & IC).
- 4 Very flammable gasses or very volatile. Flammable liquids with flash points below 73°F and boiling points below 100°F (NFPA Class 1A).

REACTIVITY HAZARD RATING

- 0 Materials that are normally stable, even under fire conditions and will not reach with water.
- 1 Materials that are normally stable, but can become unstable at high temperatures and pressures. These materials may reach with water, but they will not release energy violently.
- 2 Materials that are normally unstable and will readily undergo violent chemical change, but will not detonate. These materials may also react violently with water.
- 3 Materials that are capable of detonation or explosive reaction, but require a strong initiating source or must be heated under confinement before initiation, or materials that react explosively with water.
- 4 Materials that are readily capable of detonation or explosive decomposition at normal temperatures and pressures.

Material Safety Data Sheet

PERSONAL PROTECTION INDEX DEFINITIONS

- A Safety glasses.
- B Safety glasses, gloves.
- C Safety glasses, gloves, synthetic apron.
- D Face shield, gloves, synthetic apron.
- E Safety glasses, gloves, dust respirator.
- F Safety glasses, gloves, synthetic apron, dust respirator.
- G Safety glasses, gloves, vapor respirator.
- H Splash goggles, gloves synthetic apron, vapor respirator.
- I Safety glasses, gloves, combination dust & vapor respirator.
- J Splash goggles, gloves, synthetic apron, and combination of dust & vapor respirator.
- K Airline hood or mask, gloves, full protective suit, boots.
- X Ask your supervisor for specialized handling directions.