



Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)
Issue date: 8/27/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Granite & Marble Cleaner (Lemongrass-Lime)

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Cleaner

1.4. Supplier's details

Manufacturer

Howard Products Inc.
560 Linne Road
Paso Robles, 93446
US
T 1-805-227-1000

1.5. Emergency phone number

Emergency number : 1-805-227-1000; CHEMTREC: 1-800-424-9300

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

2.2. Label elements

GHS US labeling

Supplementary information : This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission. This product is not subject to 29 CFR HCS 1910.1200 regulations. GHS labeling is not required per 29CFR1910.1200(b)(5)(v). The labeling above applies to industrial/professional products.

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure. This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%
2-Butoxyethanol	2-Butoxy-1-ethanol / Butoxyethanol / Ethanol, 2-butoxy- / Ethylene glycol monobutyl ether / Ethylene glycol n-butyl ether / Hydroxyethyl butyl ether / Ethylene glycol butyl ether / 2-Butoxyethan-1-ol / Ethylene glycol mono-n-butyl ether / 2-n-Butoxyethanol / Butyl glycol / BUTOXYETHANOL / EGBE / EGMBE / Butoxyethanol, 2- / Butyl Cellosolve / Monobutyl ether of ethyleneglycol	CAS-No.: 111-76-2	0.1 – 1

Comments : US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Medical personnel should be made aware of substance(s) involved and take measures for self protection. Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes. Keep out of the reach of children.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin with plenty of water. Obtain medical attention if irritation persists.

First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

First-aid measures after ingestion : Do not induce vomiting. If vomiting occurs have person lean forward. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Prolonged inhalation may be harmful.

Symptoms/effects after skin contact : Prolonged or repeated contact may dry skin and cause irritation.

Symptoms/effects after eye contact : Direct contact with eyes may cause temporary irritation.

Symptoms/effects after ingestion : May cause stomach distress, nausea or vomiting.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Treat for surrounding material.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

5.2. Specific hazards arising from the chemical

- Fire hazard : During fire, gases hazardous to health may be formed. In case of fire or explosion do not breathe fumes.
- Explosion hazard : No direct explosion hazard.
- Hazardous decomposition products in case of fire : May include and are not limited to: oxides of carbon.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : In case of fire: Stop leak if safe to do so. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : In the event of a significant spillage : Notify authorities if product enters sewers or public waters. Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
- For non-emergency personnel**
 - Protective equipment : Wear recommended personal protective equipment.
 - Emergency procedures : Ventilate spillage area.
- For emergency responders**
 - Protective equipment : Do not attempt to take action without suitable protective equipment.
 - Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.
- Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

- For containment : Stop leaks if it can be done without personal risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Clean contaminated surfaces with an excess of water.
- Other information : This material and its container must be disposed of in a safe way, and as per local legislation.

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Read label before use. Avoid contact with skin and eyes. Avoid breathing vapors. Do not taste or swallow. Ensure good ventilation of the work station. Wear personal protective equipment. Handle and open container with care.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Keep out of reach of children. Store tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).
- Packaging materials : Store always product in container of same material as original container.

Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

2-Butoxyethanol (111-76-2)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	97 mg/m³
	20 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	240 mg/m³
	50 ppm
Limit value category (OSHA)	prevent or reduce skin absorption
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - IDLH - Occupational Exposure Limits	
IDLH	700 ppm
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL TWA	24 mg/m³
	5 ppm
US-NIOSH chemical category	SK: SYS-DIR(IRR) Apr 2011

8.2. Appropriate engineering controls

Appropriate engineering controls	: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Not normally required when used as directed. When handling in large quantities or responding to emergency situations, the use of appropriate skin protection is recommended.
Eye protection:
Not normally required when used as directed. When handling in large quantities or responding to emergency situations, the use of appropriate eye protection is recommended.
Skin and body protection:
Not normally required when used as directed. Wear suitable protective clothing. As required by employer code.

Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

Respiratory protection:

Not normally required when used as directed. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidising.
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat and direct sunlight. Do not mix with other chemicals.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May include and are not limited to: oxides of carbon.

Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

SECTION 11 Toxicological information

Likely routes of exposure : Skin and eye contact. Ingestion. Inhalation.

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

2-Butoxyethanol (111-76-2)	
LD50 oral rat	470 mg/kg (Source: NLM_CIP)
LD50 oral	1414 mg/kg body weight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rabbit	435 mg/kg (Source: OECD_SIDS)
LC50 Inhalation - Rat [ppm]	486 ppm/4h
ATE US (oral)	470 mg/kg body weight
ATE US (dermal)	435 mg/kg body weight
ATE US (gases)	486 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

2-Butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

2-Butoxyethanol (111-76-2)	
NOAEL (dermal,rat/rabbit,90 days)	> 150 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard : Not classified

Symptoms/effects after inhalation : Prolonged inhalation may be harmful.

Symptoms/effects after skin contact : Prolonged or repeated contact may dry skin and cause irritation.

Symptoms/effects after eye contact : Direct contact with eyes may cause temporary irritation.

Symptoms/effects after ingestion : May cause stomach distress, nausea or vomiting.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : See below for route-specific details.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

Hazardous to the aquatic environment, long-term (chronic) : Not classified

2-Butoxyethanol (111-76-2)	
LC50 - Fish [1]	1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus Source: IUCLID)
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 100 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'

12.2. Persistence and degradability

Granite & Marble Cleaner (Lemongrass-Lime)	
Persistence and degradability	Not rapidly degradable
2-Butoxyethanol (111-76-2)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

2-Butoxyethanol (111-76-2)	
Partition coefficient n-octanol/water (Log Pow)	0.81 (at 25 °C (at pH 7)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of the material collected according to regulations.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling, disposal or collection.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated

Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

DOT	TDG	IMDG	IATA
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT
Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Cyclohexanol, 5-methyl-2-(1-methylethyl)-, acetate

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

Issue date : 8/27/2025

Other information : For an updated SDS, please contact the supplier or manufacturer listed on the first page of the document.

Granite & Marble Cleaner (Lemongrass-Lime)

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)

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