

Safety Data Sheet

ULTRACARE HEAVY-DUTY STONE, TILE & GROUT CLEANER

Safety Data Sheet dated: 5/11/2015 - version 1

Date of first edition: 5/11/2015

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: ULTRACARE HEAVY-DUTY STONE, TILE & GROUT CLEANER

Recommended use of the chemical and restrictions on use

Recommended use: Heavy Duty Cleaner

Restrictions on use: N.A.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive

33442 - Deerfield Beach - FL - USA

Phone: 954-246-8888

Emergency 24 hour numbers:

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-613-996-6666

2. HAZARD(S) IDENTIFICATION



Classification of the chemical

Classification of the chemical

Skin Irrit. 2	Causes skin irritation.
Eye Irrit. 2A	Causes serious eye irritation.
Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.

Label elements

Symbols:



Warning

Code Description

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Code Description

P264.2	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280.D	Wear protective gloves/clothing and eye/face protection.
P302+P352.A	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321.A	Specific treatment (see supplementary instructions on this label)
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P501.A	Dispose of contents/container in accordance with applicable regulations.

Ingredient(s) with unknown acute toxicity:

None

Hazards not otherwise classified identified during the classification process:

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

List of components

Quantity	Name	Ident. Numb.	Classification
1-5 %	2-Butoxyethanol	CAS:111-76-2	Acute Tox. 4, H332; Acute Tox. 4, H312; Acute Tox. 4, H302; Eye Irrit. 2A, H319; Skin Irrit. 2, H315
1-5 %	Quaternary amine compound	CAS:112-03-8	Eye Dam. 1, H318; Acute Tox. 3, H311; Acute Tox. 4, H302; Skin Corr. 1C, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
1-5 %	Ethoxylated alcohol	CAS:112-34-5	Eye Irrit. 2A, H319
1-5 %	Tetrapotassium pyrophosphate anhydrous	CAS:7320-34-5	Eye Irrit. 2A, H319

4. FIRST AID MEASURES

Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose off safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

Eye irritation
Eye damages
Skin Irritation
Erythema

Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: N.A.
- Explosive properties: N.A.
- Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

- Use suitable breathing apparatus.
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment.
- Remove persons to safety.
- See protective measures under point 7 and 8.

Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand
Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Storage temperature: N.A.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Note
2-Butoxyethanol	OSHA			240	50				prevent or reduce skin absorption; A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans; eye and upper respiratory tract irritation;
	ACGIH				20				
	EU		98	20	246	50	Indicative	Possibility of significant uptake through the skin;	
Ethoxylated alcohol	ACGIH				10				hematologic, kidney and liver effects;
	EU		67,5	10	101,2	15	Indicative		

Biological Exposure Index

CAS-No.	Component	Value	UoM	Medium	Biological Indicator	Sampling Period
111-76-2	2-Butoxyethanol	200	MGGCREAT	Urine	Butoxyacetic acid (BAA)	End of turn

Appropriate engineering controls: N.A.

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

N.A.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid
Appearance and colour: beige
Odour: N.A.
Odour threshold: N.A.
pH: 11.00
Melting point / freezing point: N.A.
Initial boiling point and boiling range: 100 °C (212 °F)
Flash point: >100 °C (212 °F)
Evaporation rate: N.A.
Upper/lower flammability or explosive limits: N.A.
Vapour density: N.A.
Vapour pressure: N.A.

Relative density: N.A.
Solubility in water: Soluble
Solubility in oil: N.A.
Partition coefficient (n-octanol/water): N.A.
Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
Viscosity: N.A.
Explosive properties: N.A.
Oxidizing properties: N.A.
Solid/gas flammability: N.A.

Other information

Substance Groups relevant properties N.A.
Miscibility: N.A.
Fat Solubility: N.A.
Conductivity: N.A.

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Data not Available.

Possibility of hazardous reactions

None.

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

2-Butoxyethanol	a) acute toxicity	LD50 Skin Rabbit = 220mg/kg LC50 Inhalation Rat = 450ppm 4h LD50 Oral Rat = 470mg/kg
Ethoxylated alcohol	a) acute toxicity	LD50 Skin Rabbit = 2700mg/kg LD50 Oral Rat = 3384mg/kg
Tetrapotassium pyrophosphate anhydrous	a) acute toxicity	LD50 Oral Mouse = 2000mg/kg
Sodium hydroxide	a) acute toxicity	LD50 Skin Rabbit = 1350mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

Substance(s) listed on the IARC Monographs:

2-Butoxyethanol

Group 3

Substance(s) listed as OSHA Carcinogen(s):

None

Substance(s) listed as NIOSH Carcinogen(s):

None

Substance(s) listed on the NTP report on Carcinogens:

None

12. ECOLOGICAL INFORMATION**Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
1-5 %	2-Butoxyethanol	CAS: 111-76-2	LC50 a) Aquatic acute toxicity Fish Lepomis macrochirus= 1490mg/L 96h EPA EC50 a) Aquatic acute toxicity Daphnia Daphnia magna> 1000mg/L 48h EPA
1-5 %	Ethoxylated alcohol	CAS: 112-34-5	LC50 a) Aquatic acute toxicity Fish Lepomis macrochirus= 1300mg/L 96h EPA EC50 a) Aquatic acute toxicity Daphnia Daphnia magna> 100mg/L 48h IUCLID EC50 a) Aquatic acute toxicity Algae Desmodesmus subspicatus> 100mg/L 96h IUCLID
1-5 %	Tetrapotassium pyrophosphate anhydrous	CAS: 7320-34-5	LC50 a) Aquatic acute toxicity Fish Oncorhynchus mykiss> 100mg/L 96h EC50 a) Aquatic acute toxicity Daphnia water flea> 100mg/L 48h

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

14. TRANSPORT INFORMATION**UN number**

ADR-UN number: N/A

DOT-UN Number: N/A

IATA-Un number: N/A

IMDG-Un number: N/A

UN proper shipping name

ADR-Shipping Name: N/A

DOT-Proper Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

Transport hazard class(es)

ADR-Class: N/A

DOT-Hazard Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

Packing group

ADR-Packing Group: N/A

DOT-Packing group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

Environmental hazards

Marine pollutant: Yes
 Environmental Pollutant: N.A.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): N/A
 DOT-Label(s): N/A
 DOT-Symbol: N/A
 DOT-Cargo Aircraft: N/A
 DOT-Passenger Aircraft: N/A
 DOT-Bulk: N/A
 DOT-Non-Bulk: N/A

Road and Rail (ADR-RID):

ADR-Label: N/A
 ADR-Hazard identification number: N/A
 ADR-Tunnel Restriction Code: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A
 IATA-Cargo Aircraft: N/A
 IATA-Label: N/A
 IATA-Subrisk: N/A
 IATA-Erg: N/A
 IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A
 IMDG-Stowage Note: N/A
 IMDG-Subrisk: N/A
 IMDG-Special Provisions: N/A
 IMDG-Page: N/A
 IMDG-Label: N/A
 IMDG-EMS: N/A
 IMDG-MFAG: N/A

15. REGULATORY INFORMATION**USA - Federal regulations****TSCA - Toxic Substances Control Act****TSCA inventory:**

All the components are listed on the TSCA inventory

TSCA listed substances:

2-Butoxyethanol	is listed in TSCA	Section 8b
Quaternary amine compound	is listed in TSCA	Section 8b
Ethoxylated alcohol	is listed in TSCA	Section 8b, Section 5
Tetrapotassium pyrophosphate anhydrous	is listed in TSCA	Section 8b

SARA - Superfund Amendments and Reauthorization Act**Section 302 - Extremely Hazardous Substances:**

no substances listed

Section 304 - Hazardous substances:

no substances listed

Section 313 - Toxic chemical list:

no substances listed

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**Substance(s) listed under CERCLA:**

no substances listed

CAA - Clean Air Act

CAA listed substances:

2-Butoxyethanol is listed in CAA Section 112(b) - HON
Ethoxylated alcohol is listed in CAA Section 112(b) - HON

CWA - Clean Water Act

CWA listed substances:

no substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

no substances listed

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

2-Butoxyethanol

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

2-Butoxyethanol

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

2-Butoxyethanol

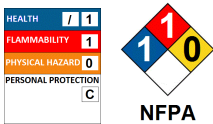
16. OTHER INFORMATION

Code	Description
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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Product code: 3009

Additional classification information



HMIS Health: 1 = Slight
 HMIS Health - Is health hazard chronic?: No
 HMIS Flammability: 1 = Combustible if heated
 HMIS Reactivity: 0 = Minimal
 HMIS P.P.E.: Safety glasses, gloves, chemical apron
 NFPA Health: 1 = Slight
 NFPA Flammability: 1 = Combustible if heated
 NFPA Reactivity: 0 = Minimal
 NFPA Special Risk: N.A.

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to

be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.