Safety Data Sheet
ULTRACARE HEAVY-DUTY STONE, TILE & GROUT CLEANER
Safety Data Sheet dated: 05/31/2023 - version 9
Date of first edition: 05/11/2015

1. IDENTIFICATION

Product identifier

Mixture identification:

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

Trade code: 9011564

Recommended use of the chemical and restrictions on use

Recommended use: Cleaner

Restrictions on use: Not available

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

Responsible: RDProductSafety@mapei.com

Emergency 24 hour numbers:

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Chemicals corrosive to metal, Category 1	May be corrosive to metals.
Skin irritation, Category 2	Causes skin irritation.
Serious eye damage, Category 1	Causes serious eye damage.

Label elements

Hazard pictograms and Signal Word

Danger

Hazard statements

H290	May be corrosive to metals.
H315	Causes skin irritation.
H318	Causes serious eye damage.

Precautionary statements

P234	Keep only in original container.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	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.
P310	Immediately call a doctor.
P321	Specific treatment (see supplementary instructions on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P390	Absorb spillage to prevent material damage.
P406	Store in corrosive resistant container.

Ingredient(s) with unknown acute toxicity:

None

Hazards not otherwise classified identified during the classification process:

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not Relevant

Mixtures

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

List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
2.5-5 %	2-butoxyethanol; ethylene glycol monobutyl ether	CAS:111-76-2 EC:203-905-0 Index:603-014-00-0	Eye Irrit. 2A, H319; Skin Irrit. 2, H315; Flam. Liq. 4, H227; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	
1-2.5 %	ethoxylated c9-11 alcohols; Alkyl alcohol, C9-C11, ethoxylated	CAS:68439-46-3 EC:614-482-0	Eye Dam. 1, H318	
1-2.5 %	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides	CAS:61791-10-4 EC:612-393-1	Eye Dam. 1, H318; Aquatic Chronic 2, H411	
1-2.5 %	tetrasodium edta; Tetrasodium ethylenediaminetetraacetate	CAS:64-02-8 EC:200-573-9 Index:607-428-00-2	Eye Dam. 1, H318; Acute Tox. 4, H302	
1-2.5 %	sodium hydroxide; caustic soda	CAS:1310-73-2 EC:215-185-5 Index:011-002-00-6	Met. Corr. 1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	

4. FIRST AID MEASURES

Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose of 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 opthalmologist 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).

Treatment:

(see paragraph 4.1)

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: Not available

Explosive properties: Not available

Oxidizing properties: Not available

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.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

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

Do not pour the product into other containers. Always use the original container.

Keep away from food, drink and feed.

Incompatible materials:

May be corrosive to metals.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature: Not available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

List of components with OEL value

	OEL Type	Country	Occupational Exposure Limit
2-butoxyethanol; ethylene glycol monobutyl ether CAS: 111-76-2	OSHA		Long Term 240 mg/m3 - 50 ppm prevent or reduce skin absorption;
	ACGIH		Long Term 20 ppm A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;eye and upper respiratory tract irritation;
	EU		Long Term 98 mg/m3 - 20 ppm; Short Term 246 mg/m3 - 50 ppm Behaviour Indicative Possibility of significant uptake through the skin;
	MAK	GERMANY	Long Term 49 mg/m3 - 10 ppm
	OSHA		Long Term 240 mg/m3 - 50 ppm prevent or reduce skin absorption
	ACGIH		Long Term 20 ppm A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;eye and upper respiratory tract irritation

	MAK	AUSTRIA	Long Term 98 mg/m3 - 20 ppm; Short Term 200 mg/m3 - 40 ppm
	MAK	SWITZERLAND	Long Term 49 mg/m3 - 10 ppm
	EU		Long Term 98 mg/m3 - 20 ppm; Short Term 246 mg/m3 - 50 ppm Behaviour Indicative Possibility of significant uptake through the skin
sodium hydroxide; caustic soda CAS: 1310-73-2	OSHA		Long Term 2 mg/m3
	ACGIH		Ceiling - Short Term 2 mg/m3
	ACGIH		eye, skin and upper respiratory tract irritation;
	ACGIH		eye, skin and upper respiratory tract irritation
	MAK	AUSTRIA	Long Term 2 mg/m3; Short Term 4 mg/m3
	MAK	SWITZERLAND	Long Term 2 mg/m3

Biological Exposure Index

2-butoxyethanol; ethylene glycol monobutyl ether CAS: 111-76-2	Biological Indicator: Butoxyacetic acid (BAA); Sampling Period: End of turn Value: 200 MGGCREAT; Medium: Urine

Appropriate engineering controls: Not available

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:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

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

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: Beige

Odour: No data available

Odour threshold: No data available

pH: 11.00

Melting point / freezing point: No data available

Initial boiling point and boiling range: 100 °C (212 °F)

Flash point: 100 °C (212 °F)

Evaporation rate: No data available

Upper/lower flammability or explosive limits: No data available

Vapour density: No data available

Vapour pressure: No data available

Relative density: 1.04 g/cm3

Solubility in water: dispersible

Solubility in oil: No data available

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Solid/gas flammability: No data available

Other information

Substance Groups relevant properties No data available

Miscibility: No data available

Fat Solubility: No data available

Conductivity: No data available

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

May be corrosive to metals.

None in particular.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin irritation, Category 2(H315)
c) serious eye damage/irritation	The product is classified: Serious eye damage, Category 1(H318)
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

2-butoxyethanol; ethylene glycol monobutyl ether	a) acute toxicity	LD50 Skin Rabbit = 220 mg/kg
		LC50 Inhalation Rat = 450 ppm 4h
		LD50 Oral Rat = 470 mg/kg
		LD50 Skin Rabbit = 435 mg/kg
		LC50 Inhalation Rat = 450 ppm 4h
		LC50 Inhalation Rat = 486 ppm 4h
		LD50 Oral Rat = 470 mg/kg
ethoxylated c9-11 alcohols; Alkyl alcohol, C9-C11, ethoxylated	a) acute toxicity	LD50 Oral Rat = 1400 mg/kg

Quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, ethoxylated, chlorides	a) acute toxicity	LD50 Oral Rat = 580 mg/kg
tetrasodium edta; Tetrasodium ethylenediaminetetraacetate	a) acute toxicity	LD50 Oral Rat = 1658 mg/kg
sodium hydroxide; caustic soda	a) acute toxicity	LD50 Skin Rabbit = 1350 mg/kg
		LD50 Skin Rabbit = 1350 mg/kg
		LD50 Oral Rat = 325 mg/kg

Substance(s) listed on the IARC Monographs:

2-butoxyethanol; ethylene glycol monobutyl ether	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 Eco-Toxicological properties of the product

Not classified for environmental hazards

Based on available data, the classification criteria are not met

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
2-butoxyethanol; ethylene glycol monobutyl ether	CAS: 111-76-2 - EINECS: 203-905-0 - INDEX: 603-014-00-0	a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 1490 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna > 1000 mg/L 48h EPA
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 2950 mg/L 96h IUCLID
tetrasodium edta; Tetrasodium ethylenediaminetetraacetate	CAS: 64-02-8 - EINECS: 200-573-9 - INDEX: 607-428-00-2	a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 41 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 59.8 mg/L 96h IUCLID
		a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 1.01 mg/L 72h IUCLID
sodium hydroxide; caustic soda	CAS: 1310-73-2 - EINECS: 215-185-5 - INDEX: 011-002-00-6	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 45.4 mg/L 96h IUCLID

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. TRANSPORT INFORMATION

UN number

DOT-UN Number: UN2735

ADR-UN number: 2735

IATA-Un number: 2735

IMDG-Un number: 2735

UN proper shipping name

DOT-Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (quaternary ammonium compounds - sodium hydroxide)

ADR-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (quaternary ammonium compounds - sodium hydroxide)

IATA-Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. (quaternary ammonium compounds - sodium hydroxide)

IMDG-Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. (quaternary ammonium compounds - sodium hydroxide)

Transport hazard class(es)

DOT-Hazard Class: 8

ADR-Class: 8

IATA-Class: 8

IMDG-Class: 8

Packing group

DOT-Packing group: III

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

Environmental hazards

Marine pollutant: No

Environmental Pollutant: Not Applicable

DOT-RQ: Yes DOT-RQ - Quantity: 1000 lbs

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

Not Applicable

Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): IB3, T7, TP1, TP28

DOT-Label(s): 8

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: 8

ADR-Hazard identification number: 80

ADR-Transport category (Tunnel restriction code): 3 (E)

Air (IATA) :

IATA-Passenger Aircraft: 852

IATA-Cargo Aircraft: 856

IATA-Label: 8

IATA-Subsidiary hazards: -

IATA-Erg: 8L

IATA-Special Provisioning: A3 A803

Sea (IMDG) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: SG35

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 223 274

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: F-A, S-B

IMDG-MFAG: N/A

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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; ethylene glycol monobutyl ether	is listed in TSCA	Section 8b
ethoxylated c9-11 alcohols; Alkyl alcohol, C9-C11, ethoxylated	is listed in TSCA	Section 8b
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides	is listed in TSCA	Section 8b
tetrasodium edta; Tetrasodium ethylenediaminetetraacetate	is listed in TSCA	Section 8b
sodium hydroxide; caustic soda	is listed in TSCA	Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No substances listed

Section 304 - Hazardous substances:

sodium hydroxide; caustic soda

Section 313 - Toxic chemical list:

2-butoxyethanol; ethylene glycol monobutyl ether

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

sodium hydroxide; caustic soda	Reportable quantity:	1000	pounds

CAA - Clean Air Act

CAA listed substances:

2-butoxyethanol; ethylene glycol monobutyl ether is listed in CAA Section 112(b) - HON

CWA - Clean Water Act

CWA listed substances:

sodium hydroxide; caustic soda is listed in CWA Section 311

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; ethylene glycol monobutyl ether

sodium hydroxide; caustic soda

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

2-butoxyethanol; ethylene glycol monobutyl ether

sodium hydroxide; caustic soda

New Jersey Right to know

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

2-butoxyethanol; ethylene glycol monobutyl ether

sodium hydroxide; caustic soda

Canada - Federal regulations

DSL - Domestic Substances List

DSL (Domestic Substances List)

All the substances are listed in the DSL.

NDSL - Non Domestic Substances List

NDSL (Non Domestic Substances List)

No substances listed

NPRI - National Pollutant Release Inventory

NPRI (National Pollutant Release Inventory) - List of substances listed.

No substances listed

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16. OTHER INFORMATION

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Additional classification information

NFPA Health: 2 = Moderate
NFPA Flammability: 1 = Combustible if heated
NFPA Reactivity: 0 = Minimal
NFPA Special Risk: Not available

NFPA

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.

Code	Description
H227	Combustible liquid.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
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.

H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
A.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
A.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
A.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
A.2/1A	Skin Corr. 1A	Skin corrosion, Category 1A
A.2/2	Skin Irrit. 2	Skin irritation, Category 2
A.3/1	Eye Dam. 1	Serious eye damage, Category 1
A.3/2A	Eye Irrit. 2A	Eye irritation, Category 2A
B.16/1	Met. Corr. 1	Chemicals corrosive to metal, Category 1
B.6/4	Flam. Liq. 4	Flammable Liquids — Category 4
US-HAE/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2

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.

Paragraphs modified from the previous revision:

- 2. HAZARDS IDENTIFICATION
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 10. STABILITY AND REACTIVITY
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 16. OTHER INFORMATION