

Safety Data Sheet

ULTRACARE HEAVY-DUTY STONE, TILE & GROUT CLEANER

Safety Data Sheet dated: 06/10/2021 - version 4

Date of first edition: 05/23/2017



1. Identification

Product identifier

Mixture identification:

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

Other means of identification

Trade code: 3009

Recommended use and restrictions on use

Recommended use: Cleaner

Restrictions on use: N.A.

Supplier's details

Company: MAPEI INC. (Canada)

2900 Francis-Hughes Avenue

H7L 3J5 - Laval - QC - CAN

Emergency phone number

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

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

2. Hazard identification



Classification of the product

Causes skin irritation.

Causes serious eye damage.

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

Label elements

Pictograms and Signal Words



Danger

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

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.

P501 Dispose of contents/container in accordance with applicable regulations.

Other hazards

None

Ingredient(s) with unknown acute toxicity

None

3. Composition/information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
2.5-5 %	2-BUTOXYETHANOL	CAS:111-76-2	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 %	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 2, H401; Aquatic Chronic 2, H411	
1-2.5 %	ETHOXYLATED ALCOHOL	CAS:112-34-5	Eye Irrit. 2A, H319	
1-2.5 %	TETRASODIUM EDTA	CAS:64-02-8	Eye Dam. 1, H318; Acute Tox. 4, H302	
1-2.5 %	SODIUM HYDROXIDE	CAS:1310-73-2	Met. Corr. 1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	

The actual concentration of the components listed above is withheld as a trade secret.

4. First-aid measures

Description of necessary 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 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 immediate medical attention and special treatment needed, if necessary

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

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

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.
 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

Storage temperature: N.A.
 Keep away from food, drink and feed.
 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;
	ACGIH				20				A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;eye and upper respiratory tract irritation;
	EU			98	20	246	50	Indicative	Possibility of significant uptake through the skin;
	MAK	GERMANY		49	10				
	OSHA			240	50				prevent or reduce skin absorption
	ACGIH				20				A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;eye and upper respiratory tract irritation
	MAK	AUSTRIA		98	20	200	40		
MAK	SWITZERLAND		49	10					

	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	
	MAK	GERMANY	67	10				
	ACGIH			10				hematologic, kidney and liver effects
	MAK	AUSTRIA	67,5	10	101,2	15		
	MAK	SWITZERLAND	67	10				
SODIUM HYDROXIDE	OSHA			2				
	ACGIH					2		
	MAK	AUSTRIA	2		4			
	MAK	SWITZERLAND	2					

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, such as personal protective equipment (PPE)

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 $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

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.

N.A.

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: soluble

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

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 = 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 ALCOHOL	a) acute toxicity	LD50 Skin Rabbit = 2700 mg/kg LD50 Oral Rat = 3384 mg/kg LD50 Skin Rabbit = 2700 mg/kg LD50 Oral Rat = 5660 mg/kg
TETRASODIUM EDTA	a) acute toxicity	LD50 Oral Rat = 1658 mg/kg
SODIUM HYDROXIDE	a) acute toxicity	LD50 Skin Rabbit = 1350 mg/kg LD50 Skin Rabbit = 1350 mg/kg LD50 Oral Rat = 325 mg/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

Toxicological kinetics, metabolism
and distribution information

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

Ecotoxicity

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

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
2-BUTOXYETHANOL	CAS: 111-76-2	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
ETHOXYLATED ALCOHOL	CAS: 112-34-5	a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 1300 mg/L 96h EPA a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna > 100 mg/L 48h IUCLID a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus > 100 mg/L 96h IUCLID
TETRASODIUM EDTA	CAS: 64-02-8	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	CAS: 1310-73-2	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 45,40000 mg/L 96h IUCLID

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

13. Disposal considerations

Safe handling and methods for disposal

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

TDG-UN number: UN2735

ADR-UN number: 2735

DOT-UN Number: UN2735

IATA-Un number: 2735

IMDG-Un number: 2735

UN proper shipping name

TDG-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMINE COMPOUND)

ADR-Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMINE COMPOUND)

DOT-Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMINE COMPOUND)

IATA-Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMINE COMPOUND)

IMDG-Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMINE COMPOUND)

Transport hazard class(es)

TDG-Class: 8

ADR-Class: 8

DOT-Hazard Class: 8

IATA-Class: 8

IMDG-Class: 8

Packing group

TDG-Packing Group: III

ADR-Packing Group: III

DOT Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

Environmental hazards

Marine pollutant: No

Environmental Pollutant: N.A.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions in connection with transport or conveyance

TDG:

TDG Special provisions: 16

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

15. Regulatory information

Canada - Federal regulations

DSL - Domestic Substances List

DSL Inventory:

All the substances are listed in the DSL.

NDSL - Non Domestic Substances List

NDSL Inventory:

No substances listed

NPRI - National Pollutant Release Inventory

Substances listed in NPRI:

No substances listed

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

TETRASODIUM EDTA is listed in TSCA Section 8b

SODIUM HYDROXIDE 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

Section 313 - Toxic chemical list:

2-BUTOXYETHANOL

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

SODIUM HYDROXIDE Reportable quantity: 1000 pounds

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:

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

SODIUM HYDROXIDE

Pennsylvania Right to know**Substance(s) listed under Pennsylvania Right to know:**

2-BUTOXYETHANOL

SODIUM HYDROXIDE

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

2-BUTOXYETHANOL

SODIUM HYDROXIDE

16. Other information

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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.
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.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 6. ACCIDENTAL RELEASE MEASURES
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES