



Safety Data Sheet

According to 1907/2006/EC, Article 31 Amended by the Commission Regulation (EU) No 453/2010

PRODUCT NAME: MEDI-PH-SAFE

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:

Product name: MEDI-PH-SAFE
Product Code: M20011,M20008

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet:

Company: Medisafe UK Ltd.
Address: Twyford Road,
Bishops Stortford,
Hertfordshire,
CM23 5LJ,
United Kingdom
Web: www.medisafeinternational.com

1.4. Emergency telephone number:

Telephone: +44 (0) 1279 461 641
Fax: +44 (0) 1279 461 643
Email address of the competent person: info@medisafeinternational.com

Section 2: Hazards identification

2.1. Classification of the substance or mixture:

Classification under CLP: Skin Corr. 1B: H314; -: EUH208
Classification under CHIP: Xi: R38; Xi: R41

2.2. Label elements:

Label elements under CLP: EUH208: Contains subtilisin. May produce an allergic reaction. H314: Causes severe skin burns and eye damage.

Hazard statements: Danger GHS05: Corrosion



Precautionary statements: P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (see advice on this label). P405: Store locked up.

P501: Dispose of contents/container to to an authorised disposal plant.

Label elements under CHIP: Irritant.



Risk phrases: R38: Irritating to skin.
R41: Risk of serious damage to eyes.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye / face protection.

Precautionary phrases: Contains subtilisin. May produce an allergic reaction.

2.3. **Other hazards:**

Other hazards:

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. -

3.2. **Mixtures –**

Hazardous ingredients:

DISODIUM METASILICATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
229-912-9	6834-92-0	C: R34; Xi: R37	Skin Corr. 1B: H314; STOT SE 3: H335	1-10%

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

200-573-9	64-02-8	Xn: R22; Xi: R41	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%
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DISODIUM TETRABORATE PENTAHYDRATE

215-540-4	12179-04-3	T: R60; T: R61	Repr. 1B: H360FD	1-10%
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SUBTILISIN

232-752-2	9014-01-1	Xi: R37/38; Xi: R41; Sens.: R42; N: R50	STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Resp. Sens. 1: H334; Aquatic Acute 1: H400	<1%
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Section 4: First aid measures

4.1. Description of first aid measures:

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.
Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2. Most important symptoms and effects, both acute and delayed:

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed:

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media:

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture:

Exposure hazards: Aqueous liquid.

Does not present any particular risk in the event of a fire, however, following the evaporation of water the residue may burn with the release of toxic gas. Section 10 refers.

5.3. Advice for fire-fighters:

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.



6.2. Environmental precautions:

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up:

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections:

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling:

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.
Suitable packaging: Polyethylene.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters:

Workplace exposure limits: No data available.

8.2. DNEL/PNEC Values

DNEL / PNEC: No data available.

8.3. Exposure controls:

Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.
Hand protection: Protective gloves.
Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.
Skin protection: Protective clothing.
Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

State: Liquid

Colour: Clear

Odour: Barely perceptible odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Soluble

Viscosity:

Boiling point/range°C: >100

Flammability limits %: Lower: No data available

Flash point°C: >100

Melting point/range°C: No data available.

Upper: Not applicable. No data available.



Part.coeff. n-octanol/water:	No data available.	
Autoflammability°C:	No data available	
Vapour pressure:	No data available	
Relative density:	No data available	pH: 10-11 (1%aqueous)
VOC g/l:	No data available	

9.2. Other information:

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity:

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability:

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions:

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid:

Conditions to avoid: Heat.

10.5. Incompatible materials:

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products:

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects:

Toxicity values:

Hazardous ingredients: DISODIUM METASILICATE

ORL	MUS	LD50	770	mg/kg
ORL	RAT	LD50	1153	mg/kg

SUBTILISIN

ORL	RAT	LD50	3700	mg/kg
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Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated



11.2. Symptoms / routes of exposure:

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity:

Ecotoxicity values: No data available.

12.2. Persistence and degradability:

Persistence and degradability: Biodegradable.

12.3. Bio-accumulative potential:

Bio-accumulative potential: No bioaccumulation potential.

12.4. Mobility in soil:

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment:

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects:

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods:

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN Number: UN3266

14.2. Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (DISODIUM METASILICATE)

14.3. Transport Class: 8

14.4. Packing Group: II



14.5. Environmentally hazardous: No
pollutant: No

Marine

14.6. Special precautions: No special precautions.
Tunnel code: E
Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Specific regulations: All the raw materials/chemicals sourced for use in this product are pre-registered for REACH (where applicable) or have undergone the registration process and therefore said to be REACH compliant.

15.2. Chemical Safety Assessment:

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

16.1. Other information:

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.



16.2. Legend to abbreviations:

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage. H315: Causes skin irritation.

H318: Causes serious eye damage.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation.

H360FD: May damage fertility. May damage the unborn child. H400: Very toxic to aquatic life.

R22: Harmful if swallowed. R34:

Causes burns.

R37/38: Irritating to respiratory system and skin. R37: Irritating to respiratory system.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R42: May cause sensitisation by inhalation. R50: Very toxic to aquatic organisms.

R60: May impair fertility.

R61: May cause harm to the unborn child.

Abbreviations:

PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration I

C50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig



RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

Disclaimer:

This Material Safety Data Sheet is not a technical specification and does not guarantee any properties or performance. It has been published for the purpose of giving guidance to the user in the safe storage, use and disposal of the product

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate at the date of publication but does not purport to be all inclusive and shall be used only as a guide. Medisafe UK Ltd assumes shall not be held liable for any injury and damage resulting from the handling or from contact with the above product.