

SAFETY DATA SHEET [In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]	Date of issue: 28.07.2023
Cement and mortar remover	Version: 1.0/EN

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

- 1.1 Product identifier
 Trade name: Cement and mortar remover
 UFI: VY30-70DX-W006-814S
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: remover of lime mortar residues, cement and grout.
Uses advised against: not determined.
- 1.3 Details of the supplier of the safety data sheet
 Supplier: Unicell International Sp. z o.o.
 Address: ul. Suprańska 25, 16-010 Wasilków, Poland
 Telephone/Fax number: +48 85 733 66 41/ +48 85 718 68 62
 Product details: unicell@unicell.com.pl
 E-mail address for a competent person responsible for SDS: unicell@unicell.com.pl
- 1.4 Emergency telephone number
 112

Section 2: Hazards identification

- 2.1 Classification of the substance or mixture
 Met. Corr. 1 H290, Skin Irrit. 2 H315, Eye Irrit. 2 H319
 May be corrosive to metals. Causes skin irritation. Causes serious eye irritation.

2.2 Label elements

Hazard pictograms and signal words



WARNING

Hazardous components placed on the label

None.

Hazard statements

- H290 May be corrosive to metals.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

Precautionary statements

- P102 Keep out of reach of children.
 P280 Wear protective gloves/protective clothing/eye protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/ attention.

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2.3 Other hazards

The components of this mixture do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH. The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS number: 7664-38-2 EC number: 231-633-2 Index number: 015-011-00-6 Registration number: 01-2119485924-24-XXXX	<u>phosphoric acid 75 %</u> ¹⁾ Met. Corr. 1 H290, Acute Tox. 4 H302, Skin Corr. 1B H314 <u>Specific concentration limits:</u> Skin Irrit. 2 H315, Eye Irrit. 2 H319: 10 % ≤ C < 25 % Skin Corr. 1B H314: C ≥ 25 %	≤ 15 %
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¹⁾ Substance with occupational exposure limits established on the European Union level.
Full text of each relevant H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: take off contaminated clothing. Wash the contaminated skin thoroughly with water. Consult a doctor if disturbing symptoms appear.

Eye contact: protect the non-irritated eye, remove contact lenses. Wash the contaminated eye with plenty of water for 10-15 minutes. Avoid powerful water stream – risk of cornea damage. Contact a doctor.

Ingestion: do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Do not neutralize. Call a doctor immediately, show packaging or label.

Inhalation: consult a doctor if disturbing symptoms appear. Move the victim to fresh air. Keep warm and calm.

4.2 Most important symptoms and effects, both acute and delayed

Contact with skin: redness, tearing, blurred vision, irritation.

Contact with eyes: redness, burning, irritation.

Ingestion: gastrointestinal problems.

Inhalation: product vapours can irritate the respiratory tract and cause a cough.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: extinguishing foam, carbon dioxide, water spray.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

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5.2 Special hazards arising from the substance or mixture

During the fire, the product may produce harmful fumes containing carbon oxides, phosphorus oxides. Do not inhale combustion products, they can be dangerous for human health.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Do not allow extinguishing water to enter drains, surface or ground water. Cool fire endangered containers from a safe distance with water spray.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Use personal protective measures. Avoid skin and eyes contamination. Do not inhale product vapours. Ensure adequate ventilation. Immediately clean up spilled product - risk of slipping. Ensure that only the trained personnel removes the effects of the accident.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Leakage collect with liquid absorbing materials (e.g. sand, earth, universal binders, silica etc.) and place it in labeled containers. Treat the collected material as waste. Clean the contaminated place and ventilate it.

6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protective equipment – see section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid contact with skin and eyes. Do not inhale product vapours. Wash hands before breaks and after work. Keep containers tightly closed. Ensure adequate ventilation in the place where the product is used. Use personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in a dry, cool and well-ventilated area. Do not store with food and feed for animals. Do not store together with foodstuffs and animal feed. Protect from heat and direct sunlight and frost. Keep away from incompatible materials (see subsection 10.5). Recommended packaging materials: stainless steel, dense polyethylene, glass. Recommended storage temperature: 3-35 °C.

7.3 Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Specification	TWA 8 hour	STEL 15 min
phosphoric acid [CAS 7664-38-2]	1 mg/m ³	2 mg/m ³

The table above shows the maximum workplace concentration values on the European Union level.

Please check any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC, 2017/164/EU, 2019/1831/EU.

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Recommended control procedures

Procedures for monitoring concentrations of hazardous components in the air and procedures for monitoring air purity in the workplace should be applied - if available and justified at a given position - in accordance with the relevant national or European Standards, taking into account the conditions at the site of exposure and the appropriate measurement methods adapted to the working conditions. The mode, type and frequency of tests and measurements should meet the requirements of the appropriate laws.

8.2 Exposure controls

Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Avoid contamination of eyes and skin. Ensure adequate general and/or local ventilation. Remove contaminated clothing immediately.

Personal protective equipment

The necessity to use and the selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand and body protection

Protective gloves (EN 374) are recommended. Recommended glove material: neoprene, chloroprene or PVC gloves, safety shoes. Acid-resistant clothing are recommended. In case of a short contact, use protective gloves with effectiveness level ≥ 2 (breakthrough time > 30 min.). In case of a prolonged contact, use protective gloves with effectiveness level = 6 (breakthrough time > 480 min.).

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eyes protection

Safety glasses (EN 166) are recommended.

Respiratory protection

In case of inadequate ventilation, use a protective mask with an acid vapour filter.

Thermal hazard

Not applicable.

Environmental exposure controls

Prevent direct release to drains, do not empty into the sewage system. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	straw
Odour:	characteristic
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	approx. 100 °C
Flammability:	the product is not classified in terms of flammability

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Lower and upper explosion limit:	not determined
Flash point:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	< 2 (20 °C)
Kinematic viscosity:	not determined
Solubility:	soluble in water
Partition coefficient n-octanol/water (log value):	not determined
Vapour pressure:	not determined
Density and/or relative density:	approx. 1 g/cm ³ (20 °C)
Relative vapour density:	not determined
Particle characteristics:	not determined

9.2 Other information

There are no additional tests.

Section 10: Stability and reactivity

10.1 Reactivity

Product is reactive. It does not undergo dangerous polymerisation. May be corrosive to metals. See also subsections: 10.3-10.5.

10.2 Chemical stability

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

When reacting with metals, hydrogen can be released. When reacting with carbonates, carbon dioxide may be released. When reacting with active chlorine-containing compounds, chlorine gas may be evolved. The product reacts exothermically with alkalis.

10.4 Conditions to avoid

Avoid direct sunlight, fire.

10.5 Incompatible materials

Strong oxidisers, base metals, salts of weak acids, bases, chlorine-based compounds.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on acute and / or delayed effects of exposure was determined on the basis of information on product classification and / or toxicological tests as well as the knowledge and experience of the manufacturer.

Acute toxicity

ATE_{mix} (oral): > 2000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

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Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Routes of exposure: eye contact, skin contact, inhalation, ingestion. For more information on the impact of each possible route of exposure, see subsection 4.2.

Symptoms related to the physical, chemical and toxicological characteristics

See subsection 4.2.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

See subsection 4.2.

11.2. Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Other information

Not known.

Section 12: Ecological information

12.1 Toxicity

The product is not classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

The phosphoric acid contained in the product dissociates in water.

12.3 Bioaccumulative potential

Bioaccumulation is not to be expected.

12.4 Mobility in soil

Product with low mobility in soil and aquatic environments.

12.5 Results of PBT and vPvB assessment

The components of this mixture do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

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12.6. Endocrine disrupting properties

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12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. The possibility of other harmful effects of individual components of the mixture on the environment should be considered (e.g. global warming potential).

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Do not dispose of with household waste. Dispose of residues in the original container. Waste code should be given in the place of waste formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the legislation in force. Only containers completely empty can be recycled.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

Section 14: Transport information

14.1 UN number or ID number

UN 1805

14.2 UN proper shipping name

PHOSPHORIC ACID, SOLUTION

14.3 Transport hazard class(es)

8

14.4 Packing group

III

14.5 Environmental hazards

The mixture is not hazardous for the environment according to the criteria of the transport regulations.

14.6 Special precautions for user

Avoid sources of heat and fire.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

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Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

European Parliament and of Council Directive 2008/98/EC of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

IMDG Code International Maritime Dangerous Goods Code.

IATA Dangerous Goods Regulations.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for mixtures.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
Acute Tox. 4	Acute toxicity category 4
Skin Corr. 1B	Skin corrosion category 1B
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
STEL	Short Term Exposure Limit
TWA	Total Weighted Average (permissible exposure limit; Occupational Safety and Health Administration)

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. People associated with transport of hazardous materials in accordance with ADR should be adequately trained for their job responsibilities (general training, bench and safety).

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Key literature references and sources of data

This SDS was prepared on the basis of sheets of the individual components, literature data, online databases (eg. ECHA, TOXNET, COSING) as well as our knowledge and experience, taking into account current legislation.

Methods of evaluating information which was used for the purpose of classification

Classification of the mixture was based on its physicochemical properties and on hazardous substances' concentration using calculation method, according to Regulation 1272/2008/EC (CLP) as amended.

Other data

Changes to the previous version: section 1-16

Safety Data Sheet made by: THETA Consulting Sp. z o.o.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.