

SAFETY DATA SHEET

MEND CON UG
According to EC Regulation 1907/2006/EC - revision 2020/878

Revision No. 3.5

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product name MEND CON UG
Product Code 11000882M1 (CLP)

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

Recommended use

Concrete repairing and anchoring compound.

1.3. Details of the supplier of the safety data sheet

NCH UK & Ireland, Arrowmere House, Bilston, WV14 0QL Tel (UK): 01902 510200, Tel (Ireland): 042 939 5502
E-mail address technical_uk@nch.com
Website address www.ncheurope.com

1.4. Emergency telephone number

UK - 01902 510200 (available during Office Hours)
In Republic of Ireland (available from 8am to 10pm daily): 01 809 2166

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

This mixture is not classified according to EU Regulation No 1272/2008

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

For industrial and institutional use only.

Keep out of reach of children.

2.3. Other hazards

No additional hazards identified.

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical Name	CAS-No.	EC No.	EU - REACH reg number	Weight-%	EU - GHS/CLP Classification	Notes
SAND	14808-60-7	238-878-4	.	50 - 100	-	
MAGNESIUM OXIDE	1309-48-4	215-171-9	-	10 - < 20	-	

This mixture contains substances with a Community workplace exposure limit. For any H statements mentioned in this section, see the full text in section 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Avoid contact with skin, eyes and clothing.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth with water. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

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

Sensitisation

No information available.

Eye contact

May cause irritation as itching and redness.

Skin contact

May cause irritation as itching or redness.

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

Notes to physician

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Water spray. Foam. Dry powder.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapours. Carbon oxides. Nitrogen oxides (NOx). Silicon oxides. Sodium oxides. Magnesium oxide fumes. Oxides of phosphorus.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Use personal protective equipment. See section 8. Avoid dust formation.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Pick up and arrange disposal without creating dust.

Methods for Cleaning up

Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practise. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in original container.

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

For substances. If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level.

Chemical Name	European Union	The United Kingdom	France	Germany	Austria
SAND		TWA: 0.1 mg/m ³ respirable fraction	VME: 0.1 mg/m ³		TWA: 0.05 mg/m ³
MAGNESIUM OXIDE		STEL: 30 mg/m ³ inhalable dust STEL: 12 mg/m ³ fume and respirable dust TWA: 10 mg/m ³ inhalable dust	VME: 10 mg/m ³	AGW: 1.25 mg/m ³ AGW: 10 mg/m ³ Spitzenbegr.: 2.4 mg/m ³ MAK: 0.3 mg/m ³ MAK: 4 mg/m ³	STEL: 20 mg/m ³ STEL: 10 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³

		TWA: 4 mg/m ³ fume and respirable dust			
Chemical Name	Spain	Portugal	Italy	The Netherlands	Switzerland
SAND	TWA: 0.05 mg/m ³	TWA: 0.025 mg/m ³ TWA: 0.05 mg/m ³ TWA: 0.1 mg/m ³		TWA: 0.075 mg/m ³	TWA: 0.15 mg/m ³
MAGNESIUM OXIDE	TWA: 10 mg/m ³	TWA: 10 mg/m ³			TWA: 3 mg/m ³
Chemical Name	Denmark	Finland	Norway	Sweden	Czech
SAND	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³	HTP (8h): 0.05 mg/m ³	TWA: 0.05 mg/m ³ TWA: 0.1 mg/m ³ TWA: 0.3 mg/m ³	NGV: 0.1 mg/m ³	PEL: 0.1mg/m ³
MAGNESIUM OXIDE	TWA: 6 mg/m ³		TWA: 10 mg/m ³		PEL: 5mg/m ³ NPK-P: 10mg/m ³
Chemical Name	Poland	Ireland			
SAND	NDS: 0.1 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³			
MAGNESIUM OXIDE	NDS: 10 mg/m ³	TWA: 4 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³ STEL: 10 mg/m ³ STEL: 12 mg/m ³ STEL: 30 mg/m ³			

8.2. Exposure controls

Engineering Measures

General ventilation is normally adequate.

Personal Protective Equipment

Use personal protection equipment as per Regulation (EU) 2016/425.

Respiratory Protection

If excessive dust formation is likely wear suitable respiratory protection. Conforming to EN 143 - P2 / P3 Particle filters.

Hand Protection

In the event of prolonged or repeated contact with the hands, use appropriate gloves, Conforming to EN 374. Type of gloves suggested :. Nitrile rubber (0.4 mm). Neoprene gloves (0.4 mm). PVC (0.7mm). For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. Wash hands before before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	Grey	Specific Gravity	1.6
Physical State	Solid	Solubility	Partially soluble in water
Odour	Odorless	Autoignition Temperature	Not combustible.
pH	Not applicable.	Viscosity	Not applicable
Melting Point/Range	No information available.	Explosive properties	No information available
Flash Point	Not relevant	Oxidizing Properties	No information available.
Evaporation Rate	Not applicable.	VOC Content (%)	0 %
Flammability Limits in Air %	Not applicable.		
Vapour pressure	No information available.		
Vapor Density	No information available.		

9.2. Other information

No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Not considered as highly reactive. See further information below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

10.4. Conditions to avoid

No conditions to be specially mentioned.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidising agents. Reducing agents.

10.6. Hazardous decomposition products

None under normal storage conditions and use.

Thermal decomposition can lead to release of irritating gases and vapours. Carbon oxides. Nitrogen oxides (NOx). Silicon oxides. Sodium oxides. Magnesium oxide fumes. Oxides of phosphorus.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

The product itself has not been tested.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
MAGNESIUM OXIDE	= 3870 mg/kg (Rat) = 3990 mg/kg (Rat)		

Sensitisation

No information available.

Skin contact

May cause irritation as itching or redness.

Eye contact

May cause irritation as itching and redness.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

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

11.2 Information on Other Hazards

The product does not contain substances that have been identified as an endocrine disruptor

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Product Information

The product itself has not been tested.

12.2. Persistence and degradability

Mainly an inorganic product which can not be eliminated from water through biological processes.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Partially soluble in water.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6 Endocrine disrupting properties

The product does not contain substances that have been identified as an endocrine disruptor

12.7 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Empty remaining contents. Recycle according to official regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

10 13 14 Waste from manufacturing of cement - waste concrete or concrete sludge

17 01 01 Construction and demolition wastes - concrete

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION**14.1, 14.2, 14.3, 14.4.**

Not classified for transport as dangerous goods

14.5. Environmental hazards

The mixture is not environmentally hazardous for transport

14.6. Special precautions for user

No special precautions.

14.7 Maritime transport in bulk according to IMO instruments

Packaged product, not typically transported in IBC's

Additional information

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account. . .

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION

Prepared By Austen Pimm

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Revision summary

CLP update. SDS sections updated 2 15 3 16

Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungsklasse (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods

ERG: Emergency Response Guidebook

IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances

GHS: Globally Harmonised System of classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Chemical

w/w: weight for weight

DMSO: Dimethyl sulphoxide

OECD: Organization for Economic Cooperation and Development

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature literature sources e.g. IUCLID / RTECS

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet