



SAFETY DATA SHEET

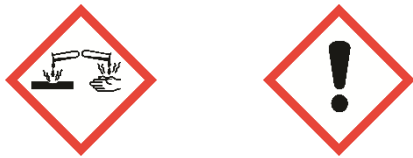
Date of issue: 26/09/2024
Date of First Issue: 26/03/2025
Version: 1.2

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

- 1.1 Product identifier**
 Product name: Re-ment Massive
 Product code: MA2502
 Unique Formula Identifier (UFI): WTW6-Q02R-K00W-NXHJ
 Nanoform: The product does not contain nanoparticles.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Identified Use(s): Building and construction work.
 Uses advised against: Anything other than the above.
- 1.3 Details of the supplier of the safety data sheet**
 Company Identification: Cemvision AB
 Vasagatan 18
 111 20 Stockholm
 Sweden
 Telephone: +46-761421413
 E-mail (competent person): Helena.goransson@cemvision.se
- 1.4 Emergency telephone number**
 Emergency Phone No.: 112
 Language(s) spoken: English/Swedish

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)**
 Skin Corr. 1; H314
 Skin Sens. 1; H317
 Eye Dam. 1; H318
 STOT Single Exp. 3; H335
- 2.2 Label elements**
 According to Regulation (EC) No. 1272/2008 (CLP).
 Product name: Re-ment Massive
 Contains: Calcium oxide; Cement, portland; Tricalcium silicon pentaoxide
- Hazard Pictogram(s)

- Signal Word(s): DANGER
- Hazard Statement(s)
 H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H335: May cause respiratory irritation.
- Precautionary Statement(s)
 P260: Do not breathe dust.
 P280: Wear protective gloves and eye/face protection.



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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.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P310: Immediately call a POISON CENTER/doctor.

Supplemental information

Not applicable

2.3 Other hazards

Not classified as PBT or vPvB. Does not cause endocrine disruption.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances - Not applicable

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Calcium oxide	<35	1305-78-8	215-138-9	01-2119475325-36-XXXX	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT Single Exp. 3; H335
Cement, portland	<5	65997-15-1	266-043-4	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT Single Exp. 3; H335 Skin Sens.1; H317
Tricalcium silicon pentaoxide	<4	12168-85-3	235-336-9	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Eye Dam. 1; H318

Note: For full text of H phrases see section 16.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Do not breathe dust. Ensure operatives are trained to minimise exposures. Avoid contact with skin and eyes. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If unconscious but breathing normally, place in recovery position and seek medical advice. Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms occur obtain medical attention.

Skin contact

IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER/doctor.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.



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Ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. IF SWALLOWED: Immediately call a POISON CENTER/doctor.
4.2 Most important symptoms and effects, both acute and delayed	Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation.
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media Suitable extinguishing media Unsuitable extinguishing media	Extinguish with carbon dioxide, dry chemical, foam or waterspray. Do not use water jet. Direct water jet may spread the fire.
5.2 Special hazards arising from the substance or mixture	Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Decomposition products: Oxides of carbon, oxides of sulfur, metal oxides.
5.3 Advice for firefighters	Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	No action should be taken involving personal risk. Ensure suitable personal protection during removal of spillages. Do not breathe dust. Avoid contact with skin and eyes. Ensure adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse.
6.2 Environmental precautions	Avoid release to the environment.
6.3 Methods and material for containment and cleaning up	Small spills should be vacuumed when possible (vacuum cleaner must be explosion proof). A vacuum equipped with HEPA (high efficiency particulate air) filtration is recommended. Dry sweeping is not recommended. If necessary, light water spray will reduce dust for dry sweeping, but over-wetting may produce very slippery walking surfaces. Transfer to a container for disposal. Wash the spillage area with water.
6.4 Reference to other sections	See Section: 8,13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wash contaminated clothing before reuse.
7.2 Conditions for safe storage, including any incompatibilities Storage temperature Incompatible materials	Keep container tightly closed. Keep in a well ventilated place. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Store locked up. Keep cool. Protect from sunlight. Keep only in original packaging. Avoid: Humidity
7.3 Specific end use(s)	See Section: 1.2



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits

SUBSTANCE	CAS No.	LEL (8 hr TWA ppm)	LEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Diiron trioxide	1309-37-1	-	5 (iron oxide fume); 10 (rouge total inhalable); 4 (rouge respirable)	-	10 (iron oxide fume)	-
Cement, portland, chemicals	65997-15-1	-	10 (inhalable dust); 4 (respirable dust)	-	-	-
Aluminium oxide	1344-28-1	-	10 (inhalable dust); 4 (respirable dust)	-	-	-
Calcium oxide	1305-78-8	-	2; 1 (respirable fraction)	-	4 (respirable fraction)	-
Magnesium oxide	1309-48-4	-	10 (inhalable dust fume); 4 (respirable dust)	-	-	-

Source: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological Limit Value

Not established

8.1.3 PNECs and DNELs

Not established

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved. Guarantee that the eye flushing systems and safety showers are located close to the working place.

8.2.2 Individual protection measures, such as personal protective equipment

Avoid contact with skin and eyes. Keep good industrial hygiene. Do not eat, drink or smoke at the work place. Wash hands thoroughly after handling. Remove contaminated clothing and wash it before reuse.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye / face protection

Use eye protection according to EN 166, designed to protect against dusts.





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Skin protection



Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse. Wear boots.

Respiratory protection



Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection. An approved dust mask should be worn if exposure to levels above the occupational exposure limit is likely.

Thermal hazards

Not applicable.

8.2.3 Environmental exposure controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Powder
Colour	White or grey
Odour	Odourless
Melting point/freezing point	>1000°C (>1832°F)
Boiling point or initial boiling point and boiling range	No data available
Flammability	Not applicable
Lower and upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	T = 20 °C in water, >11.5-13.5 [Conc. (% w/w): 1%]
Kinematic viscosity	Not applicable
Solubility	Slightly soluble. 0.1 to 1 %
Partition coefficient: n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	2.3 to 3.3 g/cm ³
Relative vapour density	No data available
Particle characteristics	No data available

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	When mixed with water, cements will harden into a stable mass that is not reactive in normal environments.
10.2	Chemical stability	Stable under recommended storage and handling conditions.
10.3	Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10.4	Conditions to avoid	Keep away from heat and direct sunlight.
10.5	Incompatible materials	Avoid: Humidity
10.6	Hazardous decomposition products	Decomposition products: Oxides of carbon, oxides of sulfur, metal oxides.



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on hazard classes as defined in Regulation (EC) No 1272/2008	
	Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
	Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (Dust/Mist)
	Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
	Skin corrosion/irritation	Mixture: Skin Corr. 1; H314: Causes severe skin burns and eye damage.
	Calcium oxide	Skin Irrit. 2; H315: Causes skin irritation. Extreme pH
	Cement, portland	Skin Irrit. 2; H315: Causes skin irritation. Extreme pH
	Tricalcium silicon pentaoxide	Skin Irrit. 2; H315: Causes skin irritation. Extreme pH
	Serious eye damage/irritation	Mixture: Eye Dam. 1; H318: Causes serious eye damage.
	Calcium oxide	Eye Dam. 1; H318: Causes serious eye damage. Extreme pH
	Cement, portland	Eye Dam. 1; H318: Causes serious eye damage. Extreme pH
	Tricalcium silicon pentaoxide	Eye Dam. 1; H318: Causes serious eye damage. Extreme pH
	Respiratory or skin sensitisation	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.
	Cement, portland	Skin Sens. 1; H317: May cause an allergic skin reaction. EU classification and labelling inventory
	Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
	Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
	Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
	STOT - single exposure	Mixture: STOT SE 3; H335: May cause respiratory irritation.
	Calcium oxide	STOT SE 3; H335: May cause respiratory irritation. NOAEC: 0.107 mg/L air - Inhalation
	Cement, portland	STOT SE 3; H335: May cause respiratory irritation. EU classification and labelling inventory
	STOT - repeated exposure	Mixture: Based upon the available data, the classification criteria are not met.
	Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met.
11.2	Information on other hazards	
11.2.1	Endocrine disrupting properties	This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meet the criteria.
11.2.2	Other information	None Known.

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Mixture: Based upon the available data, the classification criteria are not met.
12.2	Persistence and degradability	No data for the mixture as a whole.
	Calcium oxide	Not applicable for inorganic substances.
	Cement, portland	Not applicable for inorganic substances.
	Tricalcium silicon pentaoxide	Not applicable for inorganic substances.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Calcium oxide	Not applicable for inorganic substances.
	Cement, portland	Not applicable for inorganic substances.



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12.4	Mobility in soil	Tricalcium silicon pentaoxide	Not applicable for inorganic substances. No data for the mixture as a whole.
		Calcium oxide	No data available.
		Cement, portland	No data available.
		Tricalcium silicon pentaoxide	No data available.
12.5	Results of PBT and vPvB assessment		Not classified as PBT or vPvB.
12.6	Endocrine disrupting properties		This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meet the criteria.
12.7	Other adverse effects		None Known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of this material and its container as hazardous waste. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
	Waste classification according to Directive 2008/98/EC (Waste Framework Directive)	HP 4; Irritant — skin irritation and eye damage. HP5; Specific Target Organ Toxicity (STOT)/Aspiration Toxicity HP8; Corrosive HP 13; Sensitising.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number or ID number	1759	1759	1759
14.2 UN proper shipping name	CORROSIVE SOLID	CORROSIVE SOLID	CORROSIVE SOLID
14.3 Transport hazard class(es)	N.O.S	N.O.S	N.O.S
14.4 Packing group	8	8	8
14.5 Environmental hazards	III	III	III
14.6 Special precautions for user	Not classified	Not classified as a Marine Pollutant.	Not classified
14.7 Maritime transport in bulk according to IMO instruments	See section 2	Not applicable	Not applicable
14.8 Additional information	Not applicable	Not applicable	Not applicable
	None		

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations Authorisations and/or restrictions on use	Not listed
15.1.2	National regulations Germany	Water hazard class: Slightly hazardous to water (wgk 1) (Self classification)
15.2	Chemical Safety Assessment	A REACH chemical safety assessment has not been carried out.



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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Updated substance / mixture classification. New format has been issued, all sections have been updated to include new information. Review SDS with care.

Sections indicated with the following have been revised: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

References: Existing Safety Data Sheet (SDS), EU classification and labelling inventory, ECHA registration dossier for Calcium oxide (CAS No.: 1305-78-8), Cement, portland (CAS No.: 65997-15-1), Tricalcium silicon pentaoxide (CAS No.: 12168-85-3)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification procedure
Skin Corr. 1; H314	Extreme pH
Skin Sens. 1; H317	Threshold Calculation
Eye Dam. 1; H318	Extreme pH
STOT Single Exp. 3; H335	Threshold Calculation

Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
vPvB	vPvB: very Persistent and very Bioaccumulative

Hazard classification / Classification code:

Skin Corr. 1; Skin corrosion/irritation, Category 1
Skin Irrit. 2; Skin corrosion/irritation, Category 2
Skin Sens. 1; Skin Sensitisation, Category 1
Eye Dam. 1; Eye Damage, Category 1
STOT SE 3; Specific Target Organ Toxicity — Single Exposure, Category 3

Hazard Statement(s)

H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.