



SAFETY DATA SHEET

according to Regulation 1907/2006/EC, Article 31

Printing Date : 25/11/18

Revision : 25/11/18

Version number 1

TRADE NAME : SARIP CEMENT BASED GROUT FOR ANCHORS

1: IDENTIFICATION OF THE SUBSTANCE\ PREPARATION AND OF THE COMPANY UNDERTAKING:

-1.1 Product identifier

Trade name: SAPIR CEMENT BASED GROUT FOR ANCHORS

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

- **Sector of Use** For Industrial Use Only
- Application of the substance / the mixture:**
Anchoring and spaces filler.

1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

Company: A.Z. MARKETING L.T.D.
Address: HaBonim 13 st. Kiryat Gat, Israel
Telephone: 972-8-9150190 ; Fax: 972-8-9240091
www.azmarketing.co.il

Further information obtainable from: Product safety department.

1.4 **Emergency telephone number:** 972-8-9150190

2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS05 Corrosive

Eye Damage 1 H318 Causes serious eye damage



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GHS07 Irritant

Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation

Hazards Pictograms: GHS05, GHS07

Signal Word: Danger

Hazard-determining components of labelling:

Cement, portland, chemicals calcium oxide

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H319 Causes serious eye irritation

Precautionary statements

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves / eye protection / face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 POISON CENTER/doctor.
P321 Specific treatment (see on this label).

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for



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several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice.

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Labeling according to REGULATION 67/548/EEC (1999/45/EC)

Hazard pictogram:



Xn : Harmful

R-phras(e)s: R36: Irritating to eyes.

S-phras(e)s: S37: Wear suitable gloves.

S39 : Wear eye and face protection.

2.3 Other hazards

Results of PBT and vPvB assessment

- **PBT**: Not applicable.
- **vPvB**: Not applicable

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Chemical characterisation: Mixtures

- **Description**: Mixture of substances listed below with nonhazardous additions.
- **Dangerous components**:

Ingredients	CAS №	EINECS №	Concentration, wt. %
Cement, portland, chemicals	CAS 65997-15-1	266-043-4	90-100%
Calcium Oxide	CAS: 1305-78-8	215-138-9	1-5%
Sodium polynaphthalene-methanesulfonate	CAS: 9084-06-4	618-665-6	0.5-1.5%



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Additional information:

For the wording of the listed hazard phrases refer to section 16.

Portland cement clinker:

Consisting of 4 main clinker phases, namely tri- and dicalcium-silicates (3CaO.SiO₂ and 2CaO.SiO₂), tricalcium-aluminate (3CaO.Al₂O₃) and tetracalcium-aluminoferrite (4CaO.Al₂O₃.Fe₂O₃).

4: FIRST AID MEASURES:

4.1 Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints
- **After skin contact:** Rinse and then wash skin with water and soap.
- **After eye contact:**
First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.
- **After swallowing:** Do NOT induce vomiting. Refer for medical attention.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5: FIRE FIGHTING MEASURES

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
Clinkers are non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials
- **Specific hazards:**
*Explosive dust concentrations. Try to avoid dust forming.
Hazardous decomposition products may be formed under fire conditions (see section 10).*
- **5.3 Advice for firefighters**
- **Protective equipment:**
*Portland cement is not flammable
Poses no fire-related hazards*
- **Special protective equipment for fire-fighters**
*In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
.No available information for special protective equipment for fire fighters*

6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal protection: particulate filter respirator adapted to the airborne concentration of the



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substance.

See Section 8

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Do not sweep. Use dry cleanup methods such as vacuum clean-up or vacuum extraction, which do not cause airborne dispersion.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7.0 HANDLING AND STORAGE

- **7.1 Precautions for safe handling**

No special precautions are necessary if used correctly.

Follow the recommendations as given under Section 8.

To clean up dry Portland cement see Subsection 6.3.

· **Information about fire - and explosion protection:** Portland cement is not flammable

Advice on safe handling:

For personal protection see section 8. Avoid contact with skin and eyes. Avoid inhalation of dust. Avoid exposure – obtain special instructions before use.

Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No further relevant information available.

· **Information about storage in one common storage facility:**

Dry. Well closed. Separated from strong acids.

Portland cement should be stored under waterproof, dry (i.e. with internal condensation minimised) conditions, clean and protected from contamination.

Do not use aluminium containers due to incompatibility of the materials.

Requirements for storage areas and containers:

Keep container tightly closed in a dry and well-ventilated place. Store in fabric or polypropylene bags with polyethylene liner; multiwall paper bags with polyethylene liner; big bags with polyethylene liner.

· **Further information about storage conditions:** Protect from moisture.

Advice on common storage:

Keep away from food, drink and animal feeding stuffs. Incompatible with acids and bases. Do not store together with oxidizers.

· **7.3 Specific end use(s)** No further relevant information available.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

· **Additional information about design of technical facilities:**

Use: Industrial manufacture/formulation of hydraulic building and construction materials

.No further data; see item 7.



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· 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
65997-15-1 Cement, portland, chemicals	
TLV MAK	(respirable fraction): 1 mg/m ³ , as TWA; A4 (not classifiable as a human carcinogen). carcinogen category: 3B
1305-78-8 calcium oxide	
TLV MAK EU-OEL	2 mg/m ³ , as TWA. (inhalable fraction): 1 mg/m ³ ; peak limitation category: I(2); pregnancy risk group: C. 1 mg/m ³ as TWA; 4 mg/m ³ as STEL

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

· Personal protective equipment:

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· Respiratory protection:

When a person is potentially exposed to dust levels above exposure limits, use appropriate respiratory protection. The type of respiratory protection should be adapted to the dust level

· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Wear safety goggles.

· **Body protection:** Protective clothing



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9: PHYSICAL AND CHEMICAL PROPERTIES

· 9.1 Information on basic physical and chemical properties

General Information

Appearance

Form: Fine Powder
Colour: Gray
Odour: Odorless
· **Odour threshold:** Not determined

pH-value: >12.5 (water solution)

Change in condition

Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: >1000 ° C
· **Flash point:** Not determined
· **Flammability (solid, gas):** Not determined.
· **Decomposition temperature:** Not determined.
· **Auto-ignition temperature:** Product is not selfigniting.
· **Explosive properties:** Product does not present an explosion hazard.
· **Explosion limits:**
Lower: Not determined.
Upper: Not determined.
· **Vapour pressure:** Not applicable.
· **Density:** 3.15
· **Relative density** Not determined.
· **Vapour density** Not applicable.
· **Evaporation rate** Not applicable.
· **Solubility in / Miscibility with water:** 0.1%-1% (Low solubility)
· **Partition coefficient: n-octanol/water:** Not determined.
· **Viscosity:**
Dynamic: Not applicable.
Kinematic: Not applicable.
· **9.2 Other information** No further relevant information available.



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10 : STABILITY AND REACTIVITY

10.1 Reactivity

When mixed with water, Portland cement will harden into a stable mass that is not reactive in normal environments.

· 10.2 Chemical stability

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions

Reacts with acids, aluminium metals and ammonium salts.

Reacts slowly with water forming hardened hydrated compounds, releasing heat and producing a strong alkaline solution.

· 10.4 Conditions to avoid

Humid conditions during storage may cause lump formation and loss of product quality.

· **10.5 Incompatible materials:** Acids, ammonium salts, aluminium or other non-noble metals.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.



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11: TOXICOLOGICAL INFORMATION

- **11.1 Information on toxicological effects**
- Acute toxicity based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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**
May cause respiratory irritation.
- **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.**

12: ECOLOGICAL INFORMATION

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.



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13: DISPOSAL CONSIDERATIONS

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*

14 : TRANSPORT INFORMATION

14.1 UN-Number

Portland cement is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID); no classification is required.

No special precautions are needed apart from those mentioned under Section 8.

14.2 UN proper shipping name

Void

· 14.3 Transport hazard class(es)

Not applicable

· 14.4 Packing group

Not applicable

· 14.5 Environmental hazards:

Not applicable

· 14.6 Special precautions for user

Not applicable

· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

15 REGULATORY INFORMATION

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS05, GHS07



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· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

Cement, portland, chemicals

calcium oxide

· **Hazard statements**

H315: Causes skin irritation.

H318: Causes serious eye damage.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation

H411: Toxic to aquatic life with long lasting effects

R-phrases:

R37/38 : Causes skin and respiratory irritation.

R43 : May cause sensitization by skin contact.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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 POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** *None of the ingredients is listed*

· **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*



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16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

· **Department issuing SDS:** Product safety department.

· **Contact:**

Company: A.Z. MARKETING L.T.D.

Address: HaBonim 13 st. Kiryat Gat, Israel

Telephone: 972-8-9150190; Fax: 972-8-9240091

www.azmarketing.co.il www.hartuv.com

· **Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3



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