

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

TEH 911, natural hydraulic lime-based injection mortar.

1.2 Relevant identified uses of the substance or mixture

Used in repair and strengthening works in historical structures.

1.2.1 Use of the substance/mixture

No restriction.

1.3 Details of the supplier of the safety data sheet

Company name: Sozeri Industry Co. Inc.
Address: Ankara-Izmir Road Turgutlu 8. Km
Manisa/Turkey
Telephone: +90 212 276 62 62
Website: www.tic-m.com
Email: info@tic-m.com

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

According to Regulation (EC) No 1272/2008 [CLP]
Eye Dam. /Irrit. 1

For the classifications not written out in full in this section the full text can be found in section 16.

2.2 Label elements

Pictogram:



Signal Word: Danger

Hazard Statement:

H318 Causes serious eye damage.

Precautionary Statement:

P280 Wear eye/face protection.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.

P261 Avoid breathing dust.

P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

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 or doctor/physician.

According to Regulation (EC) No 1272/2008 [CLP]

Labeling of special preparations (GHS):

EUH208: May produce an allergic reaction.

Contains: MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: Calcium hydroxide (Ca (OH)₂)

2.3 Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical nature

Preparation based on: fillers

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

Calcium dihydroxide

Content (W/W): < 10 %	Skin Corr./Irrit. 2
CAS Number: 1305-62-0	Eye Dam. /Irrit. 1
EC-Number: 215-137-3	H318, H315
REACH registration number:	01-2119446671-38

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

SECTION 4: First-Aid Measures

4.1 Description of first aid measures

4.1.1 General information

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

4.1.2 If inhaled

After inhalation of dust. Keep patient calm, remove to fresh air. Seek medical attention.

4.1.3 On skin contact

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

4.1.4 On contact with eyes

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

4.1.5 On ingestion

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

4.2.1 Symptoms

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

4.3.1 Treatment

Treat according to symptoms, no known specific antidote.

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

foam, water spray, dry powder, carbon dioxide

5.1.2 Unsuitable extinguishing media for safety reasons

water jet

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, harmful vapors, nitrogen oxides, fumes/smoke, carbon black.

5.3 Advice for fire-fighters

5.3.1 Special protective equipment

Wear a self-contained breathing apparatus.

Further information

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe dust. Wear eye/face protection. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

6.2 Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of. Dispose of contaminated material as prescribed.

For large amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

Avoid raising dust.

6.4 Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid dust formation. Wear suitable protective clothing and eye/face protection. Avoid inhalation of dusts/mists/vapors. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

7.1.1 Protection against fire and explosion

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Keep away from sources of ignition - No smoking. Dust can form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Suitable materials for containers

Paper/Fiberboard

7.2.2 Further information on storage conditions

Keep only in the original container in a cool, dry, well ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Components with occupational exposure limits

50-99-7 : Glucose

1305-62-0: Calcium dihydroxide

TWA value 5 mg/m³ (OEL (EU)) indicative

1317-65-3: Limestone

8061-51-6: Lignosulfonic acid, sodium salt.

8.2 Exposure controls

Personal protective equipment

8.2.1 Respiratory protection

Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

8.2.2 Hand protection

Wear chemical resistant protective gloves.

nitrile coated cotton gloves (e.g. EN 388, 374)

8.2.3 Eye protection

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

8.2.4 Body protection

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

8.2.5 General safety and hygiene measures

Avoid inhalation of dusts. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

8.2.6 Environmental exposure controls

For information regarding environmental exposure controls, see Section 6.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Form:	powder
Color:	beige
Odor:	odorless
Odor threshold:	No applicable information available.
Melting point:	not applicable
Boiling point:	not applicable, solid with a melting temperature over 300 °C
Flash point:	not applicable, the product is a solid
Flammability:	not flammable
Flammability of Aerosol	
Products:	not applicable, the product does not form flammable aerosols
Vapor pressure:	The product has not been tested.
Partitioning coefficient	
n-octanol/water (log Kow):	not applicable
Self-ignition:	not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	not applicable, the product is a solid
Viscosity, kinematic:	not applicable, the product is a solid
Explosion hazard:	not explosive

9.2 Other information

Bulk density:	0.680 - 1.030 kg/m ³ (23 °C)
Miscibility with water:	miscible
Hygroscopy:	Non-hygroscopic
Solids content:	100 %
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.
Corrosion to metals: No corrosive effect on metal.

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

104 Conditions to avoid

See MSDS section 7 - Handling and storage.

105 Incompatible materials

Substances to avoid: strong bases, strong acids, strong oxidizing agents, strong reducing agents

106 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. The product has not been tested. The statement has been derived from the properties of the individual components.

11.1.2 Irritation

Assessment of irritating effects:

May cause severe damage to the eyes.

11.1.3 Respiratory/Skin sensitization

Assessment of sensitization:

A sensitizing effect on particularly sensitive individuals cannot be excluded. The product has not been tested. The statement has been derived from the properties of the individual components.

11.1.4 Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available data, the classification criteria are not met.

11.1.5 Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

11.1.6 Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

11.1.7 Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data,

the classification criteria are not met.

11.1.8 Specific target organ toxicity (single exposure)

Assessment of STOT single:

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

11.1.9 Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

11.1.10 Aspiration hazard

No aspiration hazard expected.

11.1.11 Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

SECTION 12: Ecological Information

121 Toxicity

Assessment of aquatic toxicity:

Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

122 Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable wastewater treatment plants.

123 Bio accumulative potential

Assessment bioaccumulation potential:

No data available.

Discharge into the environment must be avoided.

124 Mobility in soil

Volatility: No data available.

125 Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (Persistent/bio accumulative/toxic) and vPvB (very persistent/very bio accumulative).

12.6 Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

12.7 Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

12.7.1 Contaminated packaging

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

SECTION 14: Transport Information

Land transport

ADR Not classified as a dangerous good under transport regulations
UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

RID Not classified as a dangerous good under transport regulations
UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

Inland waterway transport

ADN Not classified as a dangerous good under transport regulations
UN number: Not applicable



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UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

Sea transport

IMDG Not classified as a dangerous good under transport regulations
UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

Air transport

IATA/ICAO Not classified as a dangerous good under transport regulations
UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

14.1 UN number

See corresponding entries for “UN number” for the respective regulations in the tables above.

14.2 UN proper shipping name

See corresponding entries for “UN proper shipping name” for the respective regulations in the tables above.

14.3 Transport hazard class(es)

See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

14.4 Packing group

See corresponding entries for “Packing group” for the respective regulations in the tables above.

14.5 Environmental hazards

See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

14.6 Special precautions for user

See corresponding entries for “Special precautions for user” for the respective regulations in the

tables above.

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

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

SECTION 15: Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

SECTION 16: Other Information

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Skin Corr. /Irrit.	Skin corrosion/irritation
Eye Dam. /Irrit.	Serious eye damage/eye irritation
H318	Causes serious eye damage
H315	Causes skin irritation

Further information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.