



MATERIAL SAFETY DATA SHEETS
(MSDS)

Name of the substance / mixture	Revision date: 26.08.2022
MYFIX KA-24 CRYSTALLINE WATER INSULATION MORTAR SPECIAL PRIMER	Date of preparation: 09.10.2012

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

Product Identifier:

Trade name : MYFIX KA-24 Crystalline water insulation mortar special primer

Product code : MY.174

General use : Very fluid crystallization liquid used with K-24 Crystalline water insulation mortar.

Company : YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ.
İstanbul Mermerciler Küçük San. Sitesi 18. Cad. No:22
Köseler Köyü-Dilovası / KOCAELİ / TURKEY
Tel: 0262 728 11 10 / Fax: 0262 728 12 15

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Emergency telephone number : 0262 728 11 10
Poison Information Centre: 114 (NATIONAL)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Introduction of classification and hazards: (T.C. 28848)

Corrosive to Metals-Category 1	H290
Skin corrosion/ irritation	H314
Specific target organ toxicity, Single exposure; Respiratory tract irritation-Category 3	H335
Hazardous to the aquatic environment, acute hazard-Category 1	H400

2.2. GHS Label elements



Signal word: Danger Warning Warning

Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.



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Precautionary statements

P234	Keep only in original container.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353+P310	IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338+P310	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 or doctor/physician.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage. Hazardous to the aquatic environment.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with international regulations.

Contains: Aqueous silicate solution.

2.3. Other hazards

No data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

SODIUM SILICATE

CAS number	Concentration %	Classification	EC number
6834-92-0	-	Corrosive to Metals-1, H290 Skin corrosion/ irritation, H314 STOT, Single exposure; Respiratory tract irritation 3, H335 Hazardous to the aquatic environment, acute hazard-1, H400	229-912-9

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice:

Consult a doctor. Demonstrate this Safety Data Sheet to health personnel.

If inhaled:

In case of inhalation, remove person to fresh air. If breathing has stopped, give artificial respiration. Consult a doctor.

In case of skin contact:

Remove victim from contamination. Remove contaminated clothing. Wash with soap and plenty of water. Consult a doctor.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

If a person's consciousness is present, help him or her drink plenty of water in small portions. Do not induce vomiting. When you feel bad, consult a doctor.

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

Known symptoms and effects are indicated on the label: Section 2.2 and / or Section 11.



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

Demonstrate this Safety Data Sheet to health personnel.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Carbon dioxide, foam, dust and water vapour.

EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:

None in particular.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use a full mask with oxygen cylinder to extinguish fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use special respiratory protection. Avoid breathing vapours, fumes or gases. Remove sources of ignition. Make sure you have good ventilation. Remove personnel to a safe area. See section 8 for personal protection. Wear protective equipment.

6.2. Environmental precautions

If the contamination of rivers, lakes or sewers happened by the products, notify the relevant authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation. Absorb with inert absorbent material and dispose of as hazardous waste. Store waste in closed containers suitable for this purpose.

6.4. Reference to other sections

Potential information on personal protection and disposal is set out in Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Do not breathe vapour or vapour cloud. Do not smoke. For precautions see: Section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Store dry, well-ventilated, away from heat sources and direct sunlight at (+ 5 °C) - (+30 °C). Keep away from sources of ignition. Prevent unauthorized use. The opened product should be carefully closed again and kept upright to prevent leakage. Do not pour into the sewer. Do not store together with acids. Do not come into contact with water during storage. Protect from frost.

7.3. Specific end use(s)

No data available.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure control parameters

No data available.

8.2. Exposure controls

8.2.1. Engineering Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the day.

Personal protective equipment

Eye / Face protection:

Use eye protection equipment like face shield and safety goggles that has been tested and approved in accordance with standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Wear gloves when handling. Gloves should be checked before use. To prevent skin contact with this product, use the correct glove removal method (without touching the outer surface of the glove). Contaminated gloves must be disposed of in accordance with good laboratory practice and compliance guidelines. Wash and dry your hands. The selected protective gloves must comply with the EU Directive 89/686 / EEC and the standard EN 374 on the basis of this Directive. Protect the head, face and neck from contact with the product.

Material of gloves: Nitrile rubber.

Body protection

Full protective suit against chemicals, the type of protective equipment must be determined according to the amount and concentration of the dangerous substance at each work site.

Respiratory protection:

For the use of breathing apparatus with air purification in the risk assessment, use redundant multi-purpose combined (United States of America) full-face breathing apparatus for controls. Use one-way respirators for protection. Use relevant devices and equipment, such as NIOSH (United States) or CEN (European Union). Environmental exposure control Take care not to enter into drains.

Environmental exposure controls:

The product must not penetrate into the sewer system.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White
Odour	: Smelly
Odour threshold	: No data available
pH value	: 11.5 (20°C)
Melting point / Freezing point	: No data available
Initial boiling point/range	: No applicable
Boiling range	: No applicable
Flash point	: No applicable
Evaporation rate	: No data available
Flammability of solids and gases	: No data available
Lower flammability limit	: No data available
Upper flammability limit	: No data available



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Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Density	: 1.00±1.05 g/cm ³
Solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Flammable properties	: No data available

9.2. Other information

No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

There is no special reaction hazard with other substances under normal conditions of use.

10.2. Chemical stability

It is not stable in temperatures above 40 ° C, in contact with sunlight and acids.

10.3. Possibility of hazardous reactions

There is no special reaction hazard with other substances under normal use and storage conditions.

10.4. Conditions to avoid

Contact with acids liberates a poisonous and corrosive gas.

10.5. Incompatible materials

Creates corrosive materials with strong acids, powdered metals, and organic substances.

10.6. Hazardous decomposition products

In the event of fire, hazardous decomposition products are formed.

–Sodium oxide.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

This section contains information that has been created primarily for use by healthcare professionals, occupational health and safety experts and toxicologists. It includes a brief but complete and understandable explanation of the various toxicological (health) effects and the available information used to determine these effects, including toxic kinetic, metabolism and distribution, where appropriate. The information in this section is consistent with the classification of the substance or mixture. Under normal use, primary exposure occurs through skin and eye contact.

Acute toxicity: No data available.

Skin corrosion/irritation: Corrosive. Causes burns.

Serious eye damage/irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.



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Carcinogenicity: IARC: No content of this product, which is 0.1% or more, is defined by the IARC as a possible, probable or approved carcinogen.

Reproductive toxicity (fertility): No data available.

STOT-Specific target organ toxicity-Single exposure: No data available.

STOT-Specific target organ toxicity-Repeated exposure: No data available.

Aspiration toxicity: No data available.

SECTION 12. ECOLOGICAL INFORMATION

Apply good working practices without throwing the product into the environment. Inform the competent authorities if the product has reached waterways or sewers or contaminated soil or plants.

12.1. Eco toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

It is very threatening to water. Do not allow to reach the ground/stationary water and flowing water and sewage even in small amounts. It threatens drinking water if even the smallest quantities flow underground.

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

12.6. Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste and used packaging must be disposed of in accordance with official regulations. Avoid contamination of the product to surface and ground water, drinking water sources, stationary and flowing water and sewage system.

Contaminated packaging

Dispose of as unused product.

13.2. Safe disposal

The product must be disposed of in accordance with official regulations. Do not allow product packaging and product to be disposed of with household waste. It is strictly forbidden to mix the product with sewage and groundwater. In such cases, inform the authorities.

SECTION 14. TRANSPORT INFORMATION

14.1. UN Number:

ADR/RID: 3266

IMDG: 3266

IATA: 3266



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14.2. UN proper shipping name:

ADR / RID: CORROSIVE LIQUID, BASIC, INORGANIC, B.B.B.

IMDG: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

IATA: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

14.3. Transport hazard class (es):

ADR/RID: 8 IMDG: 8 IATA: 8

14.4. Packing group:

ADR/RID: III IMDG: III IATA: III

14.5. Environmental hazards:

ADR/RID: yes IMDG: yes IATA: no

14.6. Special precautions for user: None.

SECTION 15. REGULATORY INFORMATION

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

- National regulations of the Republic of Turkey (T.C.) Ministry of Environment and Urban Planning, dated December 11, 2013, No. 28848, Regulation on the Classification, Labelling and Packaging of substances and mixtures.
- T.C. Ministry of Labour and Social Security, dated June 30, 2012, No. 6331, Occupational Health and Safety Law.
- T.C. Ministry of Labour and Social Security, dated 2 July 2013, No. 28695, Regulations on the Use of Personal Protective Equipment in Workplaces.
- T.C. Ministry of Labour and Social Security, dated August 12, 2013, No. 28 733, Regulation on Health and Safety Measures in Working with Chemical Substances.

15.2. Chemical Safety Assessment

No chemical safety assessment has been prepared for the preparation and the substances it contains.

SECTION 16. OTHER INFORMATION

Full text of H statements based on sections 2 and 3:

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

DESCRIPTIONS:

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS No: Chemical Abstract Service Registry Number
- CLP: Regulation EC 1272/2008
- DNEL: Derived No-Effect Level
- GHS: The international Globally Harmonized System of Classification and Labelling of Chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IMDG: International Maritime Code for Dangerous Goods
- IMO: International Maritime Organization
- INDEX NUMBER: CLP identification number in Annex VI
- LC50: Lethal concentration 50%
- LD50: Lethal Dose 50%
- PNEC: Predicted No Effect Concentration



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- REACH: Regulation EC 1907/2006
- RID: Regulation concerning the International Transport of Dangerous Goods by Train
- TWA: Time weighted average exposure limit
- vPvB: Very Persistent and very Bioaccumulative according to REACH Regulation

Information for users:

This document; It includes the health and safety issues that may be encountered during the transportation, storage and use of the **KA-24** product produced by **MYFIX** and the measures to be taken against the risks in these matters and does not replace product characteristics and guarantee. This document; contains minimum information for health and safety. It does not include all the health and safety measures that the user may face at the work site, as all risks related to work safety cannot be estimated. In summary, it is not a substitute for the risk assessment process that the user must perform on the job site and / or cannot be used alone for the risk assessment. Construction materials included in this document; It is designed to be used for the purposes described in the technical documentation of MYFIX. For detailed information about our products and up to date technical documents, please go to www.myfixyapikim.com. It is the responsibility of the users to keep track of changes and up-to-date documents.