



MATERIAL SAFETY DATA SHEETS
(MSDS)

Name of the substance / mixture	Revision date: 01.07.2022
MYFIX GRANIFLEX 2K PORCELAIN CERAMIC AND GRANITE ADHESIVE-A COMPONENT	Date of preparation: 22.08.2017

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

Product Identifier:

Trade name : MYFIX GRANIFLEX 2K Porcelain ceramic and granite adhesive-A COMPONENT-(C2TES2)

Product code : MY.137

General use : Acrylic copolymer-based, two-component, high performance easy-to-use tile adhesive with reduced slip features, extended open time, modified high flexibility, improved water impermeability, and used for bonding porcelain and granite tile materials.

Company : YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ.
İstanbul Mermeciler 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)

Skin Sensitization-Category 1B

H317

2.2. GHS Label elements



Signal word: Warning

Hazard statements

H317

May cause an allergic skin reaction

Precautionary statements

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352

IF ON SKIN: Wash with plenty of soap and water

P501

dispose of contents/container in accordance with local/regional/national/international regulations



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Contains: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one, (3:1); mixture: 5-chloro-2-methyl-4-isothiazolin-3-one.

2.3. Other hazards

No data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one, (3:1); mixture: 5-chloro-2-methyl-4-isothiazolin-3-one

CAS number	Concentration %	Classification	EC number
		Acute toxicity-Oral 3, H301	
		Acute toxicity-Dermal 3, H311	
		Acute toxicity-Dermal 4, H312	
		Skin irritation, H314	
		Acute toxicity-Inhalation 4, H332	247-500-7
	-	Hazardous to the Aquatic	220-239-6
		Environment-Acute Hazard 1, H400	247-500-7
		Hazardous to the Aquatic	
		Environment-Chronic Hazard 1, H410	
		Hazardous to the Aquatic	
		Environment-Chronic Hazard 2, H411	

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

GENERAL ADVICE:	In case of doubt, seek medical advice immediately. Demonstrate this Safety Data Sheet to health personnel.
IF INHALED:	Take the person to fresh air, keep warm and rest. If breathing is irregular or stopped, apply artificial respiration. Do not give anything by mouth. If the person loses consciousness, call for medical help.
IF SWALLOWED:	IF SWALLOWED: Rinse out mouth. DO NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER (114/NATIONAL) or doctor / physician.
IN CASE OF SKIN CONTACT:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice / attention. IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse your skin with water / shower. Immediately call a POISON CENTER (114/NATIONAL) or doctor / physician.
IN CASE OF EYE CONTACT:	IF IN EYES: Rinse cautiously with water for several minutes. If worn and easy to do, remove contact lenses. Continue rinsing. Immediately call a POISON CENTER (114/NATIONAL) or doctor / physician.

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.

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



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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

The following toxic gases may be released during fire:

- Nitrogen oxide (NO_x)
- Carbon monoxide (CO)
- Hydrogen chloride (HCl)
- Formaldehyde (HCHO)

5.3. Advice for firefighters

If necessary, use a full mask with oxygen tube to extinguish fire.

Collect the extinguishing water containing harmful substances in a separate place so that it does not flow into the sewer system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Choose clothing that can protect the entire body and skins such as non-permeable protective clothing, neoprene boots and long nitrile rubber gloves.

6.2. Environmental precautions

If the product spills on rivers, lakes or drains, notify the relevant authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Provide 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. Protect from frost.

7.3. Specific end use(s)

No data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure control parameters

No data available.

8.2. Exposure controls



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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.

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White liquid
Odour	: Mild Acrylic
Odour threshold	: Not determined
pH value	: No data available
Melting point / Freezing point	: No data available
Initial boiling point/range	: Not applicable
Boiling range	: Not applicable
Flash point	: Not 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
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Density	: No data available
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	: B-s1, d0



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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

The product is stable under normal use and storage conditions.

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

Humidity.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

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

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: It's irritating. It has an irritating effect on the skin and the mucous membrane.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: Causes skin irritation.

Germ cell mutagenicity: No data available.

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: 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.



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SECTION 12. ECOLOGICAL INFORMATION

The material is capable of altering local pH values and can be harmful to fish and bacteria. The material contains components which can form a layer on the water surface. Avoid contamination of the product to ground-water, stationary and flowing water and sewage. Inform the authorities if the product has reached waterways or sewers or contaminated soil or plants.

12.1. Eco toxicity

Harmful to aquatic life with long lasting effects. May cause toxic effects on activated sludge organisms.

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-water stationary 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

If possible, use again. The residues of the product must be regarded as hazardous special waste. The hazardousness of wastes containing this product in part shall be assessed in accordance with the provisions of the applicable law. Disposal should be made by handing over to a company that has authority in waste management in accordance with national and potential local laws. Do not dispose of the product on ground, sewers and waterways. Users must follow and comply with current legislation in this respect.

Contaminated packaging

Contaminated packaging should be sent for recovery or disposal in accordance with national laws on waste management.

SECTION 14. TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1 UN Number: None.

14.2 UN proper shipping name: None.

14.3 Transport hazard class (es): None.

14.4 Packing group: None.

14.5 Environmental hazards: None.

14.6 Special precautions for user: None.



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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:

H301+H311	Toxic if swallowed or in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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
- LD50: Lethal Dose 50%
- PNEC: Predicted No Effect Concentration
- 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 **GRANIFLEX 2K S** 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.