



MATERIAL SAFETY DATA SHEETS
(MSDS)

Name of the substance / mixture	Revision date: 01.09.2022
MYFIX BC-15 CONCRETE POLISHING AGENT	Date of preparation: 13.01.2020

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

Product Identifier:

Trade name : MYFIX BC-15 Concrete polishing agent

Product code : MY.085

General use : Acrylic and solvent-based, UV resistant, high performance, anti-dust, transparent glossy concrete protective varnish used for hardening surfaces with low adherence.

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)

Classification and hazard identification: (TC 28848)

Flammable liquids – Category 2	H225
Flammable liquids-Category 3	H226
Aspiration toxicity-Category 1	H304
Acute Toxicity, Dermal-Category 4	H312
Skin irritation-Category 2	H315
Eye irritation-Category 2	H319
Acute Toxicity, By Inhalation-Category 4	H332
Specific Target Organ Toxicity – Single exposure, Respiratory system – Category 3	H335
Specific Target Organ Toxicity-Single exposure-Category 3	H336
Specific target organ toxicity - repeated exposure - Category 2	H373



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2.2. Information to be stated on the label



Caution

Flammable liquid

Danger

Signal word:

Warning

Hazard statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P210	Keep away from heat/sparks/flames/hot surfaces.-No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/ spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P403+P233	Store in a well-ventilated area. Keep container tightly closed.
P501	Dispose of contents/container according to national regulations.

Contains: Ethyl acetate, xylene.



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2.3. Other hazards

The content of this product does not exceed 0.1%, classified as PBT or vPvB to our current knowledge.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

ETHYL ACETATE

CAS number	Concentration %	Classification	EC number
141-78-6	-	Flammable Liquid 2-H225 Eye Irritation 2-H319 STOT 3-H336	205-500-4

XYLENE

CAS number	Concentration %	Classification	EC number
1330-20-7	-	Flame. Liquid 3-H226 Asp. Tough 1-H304 Acute Tox. 4-H312 Acute Tox. 4-H332 Skin Irrit. 2-H315 STOT again Mrz.1-H373	215-535-7

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

GENERAL ADVICE:	In case of doubt, seek medical help immediately. Show this Safety Data Sheet to healthcare personnel.
IF INHALED:	Remove exposed person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight parts of the garment, such as collars, ties, or belts. Seek medical attention if symptoms are severe or persistent.
IF SWALLOWED:	Rinse mouth thoroughly with water. In case of doubt, seek medical help immediately. Do not induce vomiting unless directed by healthcare personnel.
IN CASE OF SKIN CONTACT:	Wash with water. Take off all contaminated clothing immediately and wash before reuse. If symptoms occur after washing, seek medical attention immediately.
IN CASE OF EYE CONTACT:	Wash with water. If discomfort persists, seek medical attention.
PROTECTION OF FIRST AID PERSONS:	First aid personnel should wear appropriate protective equipment during rescue.

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

GENERAL INFORMATION:	The severity of the symptoms described may vary depending on the concentration and duration of exposure.
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BREATHING:	Vapors may cause headache, weakness, dizziness and nausea. Vapors may cause drowsiness and dizziness.
SWALLOWING:	May cause stomach pain or vomiting .
SKIN CONTACT:	Irritating, redness.
EYE CONTACT:	There are no known specific symptoms. May be mildly irritating to eyes.

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

INFORMATION TO BE GIVEN TO THE DOCTOR: Apply symptomatic treatment.

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

SPECIAL HAZARDS:

Containers may explode violently when heated due to excessive pressure build-up inside. Contains flammable liquid and vapour. Vapors can be ignited by a spark, hot surface or ember. Vapors may form explosive mixtures with air. Extinguishing waters flowing into sewers can create a fire or explosion hazard.

HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition or combustion products may include:

- Harmful gases or vapours.
- Choking gases.
- Carbon dioxide (CO₂).
- Carbon monoxide (CO).

5.3. Advice for firefighters

GENERAL INFORMATION:

Cool containers with water jets to prevent product decomposition and formation of potentially hazardous substances to health. Always use complete equipment with fire protection. Collect fire extinguishing water that should not be discharged into sewers. Contaminated water and fire residues used for firefighting must be disposed of in accordance with applicable laws.

EQUIPMENT:

Normal firefighting equipment such as self-contained open-circuit compressed air breathing apparatus (EN 137), fire fighting protective clothing (EN469), firefighters' protective gloves (EN 659) and firefighter's boots (HO A 29 or A30).

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as shown in Section 8 of this Safety Data Sheet. Avoid contact with skin, eyes and clothing. No action should be taken without proper training or involving personal danger. Clear the space. Provide adequate ventilation.



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Do not smoke, use fire, sparks, or any other source of ignition near the spill.

6.2. Environmental precautions

Prevent the product from leaking into sewers, surface waters and groundwater. Contain spillage with sand, earth or other suitable non-combustible material. Spills or uncontrolled flows in waterways should be reported immediately to the relevant Environmental Authority or other appropriate regulatory body.

6.3. Containment and breeding methods and materials

Clean up spills immediately and dispose of waste safely. If safe, eliminate all sources of ignition. Do not smoke, use fire, sparks, or any other source of ignition near the spill. Do not allow material to enter confined spaces due to explosion hazard. When evaporation is complete on spill-impregnated paper, Place the paper in a suitable waste disposal container and seal it tightly. Flush contaminated area with copious amounts of water. Cleanse yourself thoroughly after dealing with a rash. Notify authorities of large spills. Large Spillages: Absorb with vermiculite, dry sand or soil and place in containers.

6.4. References to other chapters

Possible information on personal protection and disposal issues are indicated in sections 8 and 13. It is stated in section 11 on the issues of health hazards and in section 12 on possible information about ecological hazards.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handle the product after reading all other sections of this safety data sheet. Wear protective clothing as shown in section 8 of this Safety Data Sheet. Avoid contact with skin, eyes and clothing. Prevent the product from spreading to the environment. Do not eat, drink or smoke during use. Handle all packaging and containers carefully to minimize spills. Containers should be kept tightly sealed when not in use. Avoid fog formation. Keep away from heat/sparks/open flames/hot surfaces. Do not handle broken packages without protective equipment. Do not reuse empty containers. If used clothing becomes contaminated, remove it immediately and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Store the product in clearly labeled containers. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Keep away from oxidizing agents, heat and flames. Keep only in the original container. Keep container tightly closed in a cool, well-ventilated place. Keep containers upright. Protect containers from damage.

STORAGE CLASS: Flammable liquid and vapor

7.3. Specific end use(s)

It is detailed in Section 1.2 of this Safety Data Sheet.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure control parameters

OCCUPATIONAL EXPOSURE LIMITS:

Xylene



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Limit Value (MAK): 100 ppm 435 mg/m³
Limit Value (TWA 8 hours): 50 ppm 221 mg/m³
Limit Value (STEL 15 minutes): 100 ppm 442 mg/m³

(STEL): Exposure upper limit value that should not be exceeded for a period of 15 minutes, unless another time is specified.

(TAW): time-weighted average measured or calculated for a specified reference period of 8 hours

(MAK): Maximum acceptable concentration

Ethyl acetate

Limit Value (MAK): 400 ppm 1400 mg/m³

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Use explosion-proof general and local exhaust ventilation. Ensure operators are trained to minimize exposure.

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.

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	Transparent
Odour	Characteristic.
Odour threshold	Not available.
pH value	Not available.
Melting point / Freezing point	Not available.
Initial boiling point/range	Not applicable.
Boiling range	Not applicable.



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Flash point	Flammable liquid and vapour.
Evaporation rate	Not available.
Flammability of solids and gases	Not available.
Lower flammability limit	20°C.
Upper flammability limit	45°C.
Lower explosion limit	Not available.
Upper explosion limit	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Density	0.82-0.92 g/mL .
Solubility	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Thermal decomposition	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Flammable properties	Not 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

The product is stable under normal use and storage conditions.

10.3. Possibility of hazardous reactions

Oxidizing agents.

10.4. Conditions to avoid

Heat, flames, oxidizer and sparks. Containers may explode violently when heated due to excessive pressure build-up inside.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

In a fire environment, dangerous decomposition products are formed.

- Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects



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Acute toxicity - dermal
ATE dermal (mg/kg) 38,157,00

Acute toxicity - inhalation
ATE inhalation (vapors mg/l) 20.25

Skin corrosion/irritation:
Serious skin irritation.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory sensitization:
Based on available data, the classification criteria are not met.

Skin sensitization:
Based on available data, the classification criteria are not met.

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 (fertility):
Based on available data, the classification criteria are not met.

Reproductive toxicity (developmental):
Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure:
It is not classified as a specific target organ toxicant.

Specific target organ toxicity - repeated exposure:
It is not classified as a specific target organ toxicant.

Aspiration hazard:
Based on available data, the classification criteria are not met.

Breathing:
Prolonged, repeated or single exposure to high concentrations of vapors may cause the following adverse effects: May cause drowsiness or dizziness. Vapors may cause drowsiness and dizziness.

Swallowing:
May cause stomach pain or vomiting.

Skin contact:
redness. It irritates the skin.

Eye contact:
May be mildly irritating to eyes. redness. Prolonged contact may cause redness and/or tearing in the eyes.



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Exposure route:

Ingestion, inhalation, skin or eye contact.

Target organs:

There are no known specific target organs.

ADDITIONAL INFO:

SYSTEMIC EFFECTS AFTER ABSORPTION:

Headache, drowsiness,
dizziness, euphoria,
agitation, spasms,
respiratory paralysis,
unconsciousness, narcosis,

SECTION 12. ECOLOGICAL INFORMATION

12.1. Eco toxicity

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-stationary water and flowing water and sewage. Inform the authorities if the product has reached waterways or sewers or contaminated soil or plants.

12.2. Persistence and degradability

The degradability of the product is unknown.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Information not found.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment; not available as chemical safety assessment is not required/implemented.

12.6. Other adverse effects

It is toxic in the aquatic environment. It is dangerous for the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Offer to give the waste to a waste company. Waste materials must be disposed of in accordance with Directive 2008/98/EC and other national and local regulations. Leave products in their original containers. Do not mix with other waste. Treat uncleaned containers as the product itself.



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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

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:

ADR/RID: 1993
IMDG: 1993
ICAO: 1993
ADN: 1993

14.2 UN proper shipping name:

ADR/RID: FLAMMABLE LIQUID BBB
IMDG: FLAMMABLE LIQUID BBB
ICAO: FLAMMABLE LIQUID BBB
ADN: FLAMMABLE LIQUID BBB

14.3 Transport hazard class (es):



ADR/RID class: 3
ADR/RID classification code: F1
IMDG: 3
IATA: 3
ICAO: 3

14.4 Packing group:

ADR/RID: II
IMDG: II
ICAO: II
ADN: II



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14.5 Environmental hazards:

ADR/RID: Split H
IMDG Marine pollutant : No
IATA: No.

14.6 Special precautions for user:

EmS: FE, SE
ADR shipping category: 3
Emergency action code: 3Y
Hazard Identification Number (ADR/RID): 30
Tunnel restriction code: D/E

SECTION 15. REGULATORY INFORMATION

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

- National regulations Republic of Turkey Ministry of Environment and Urbanization, Regulation No. 28848, dated 11 December 2013, on Classification, Labeling and Packaging of Substances and Mixtures.
- TR Ministry of Labor and Social Security, Regulation No. 28730, dated 6 August 2013, on Health and Safety Precautions in Working with Carcinogenic and Mutagen Substances.
- TR Ministry of Labor and Social Security, Occupational Health and Safety Law No. 6331, dated 30 June 2012.
- TR Ministry of Labor and Social Security, Regulation No. 28695, dated July 2, 2013, on the Use of Personal Protective Equipment at Workplaces.
- TR Ministry of Labor and Social Security, Regulation No. 28733, dated 12 August 2013, on Health and Safety Precautions in Working with Chemical Substances.
- TR Ministry of Environment and Urbanization, Waste Management Regulation, dated April 2, 2015, numbered 29314.

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:

Flammable liquids – Category 2	H225
Flammable liquids-Category 3	H226
Aspiration toxicity-Category 1	H304
Acute Toxicity, Dermal-Category 4	H312



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Skin irritation-Category 2	H315
Eye irritation-Category 2	H319
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Specific Target Organ Toxicity-Single exposure-Category 3	H336
Specific target organ toxicity - repeated exposure - Category 2	H373

DESCRIPTIONS:

- ADR: European Agreement on the International Carriage of Dangerous Goods by Road
- CAS No: Chemical Abstract Service registration number
- EmS: Emergency Schedule
- GHS: Worldwide harmonized system for classification and labeling of chemicals
- IATA: Regulation of the International Air Transport Association for the transport of dangerous goods
- IMDG: International Maritime Code for the Carriage of Dangerous Goods
- IMO: International Maritime Organization
- INDEX NUMBER: CLP's identification number in Annex VI
- PBT: Persistent, bioaccumulative and toxic according to REACH
- RID: Regulation for the international transport of dangerous goods by train
- TLV: Threshold limit value
- TWA STEL: Short term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: very persistent and very bioaccumulative according to REACH

Information for users:

This document; It includes the health and safety issues that may be encountered during the transportation, storage and use of the **BC-15** 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.