



ALLBOND MS UNIVERSAL

01 IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product Identifier:

Product Trade Name: ALLBOND MS UNIVERSAL

1.2. Relevant Identified Uses of the Mixture and Uses Advised Against:

Product Use: Chemical product for construction and industry.

1.3. Details of the Supplier of the Safety Data Sheet:

Company : Akkim Yapı Kimyasalları San. Tic. ve A.Ş.

Address : Yeşilbayır Mah. Şimşir Sk. No: 22 34555 Hadımköy İstanbul – TÜRKİYE

Telephone/Fax Number: Tel.: +90 212 771 13 71/Fax: +90 212 771 38 88

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1.4. Emergency Telephone Number: +90 212 771 13 71-on weekdays 08:00am-5:00pm

02 HAZARDS IDENTIFICATION

2.1. Classification of the Mixture

2.1.1. Classification According to Occupational Safety&Health Administration Standard-29 CFR 1910.1200

Chemical safety assessment is not needed, because mixture includes non-hazardous substances.

2.2. Label Elements

Labelling According to Occupational Safety&Health Administration Standard-29 CFR 1910.1200

Contains < butan-2-one O,O',O''-(vinylsilylidyne)trioxime and butan-2-one O,O',O''-(methylsilylidyne)trioxime >. May produce an allergic reaction.

Additional Labelling:

Keep out of reach of children.

Do not get in eyes, on skin, or on clothing.

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

2.3. Other Hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

2.4. Information Concerning Particular Hazards for Human and Environment

The product has to be labeled due to the calculation procedure of the "Occupational Safety&Health Administration Standard" in the latest valid version.

2.5. Additional Informations

Please look over section 11 for toxicological information. Full text of H- and EUH- phrases: See section 16.

03 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Conc. (% w/w)
Limestone	1317-65-3	25-45
Propylene dioxide, dimethoxysilane terminated	75009-88-0	25-45
Titanium Dioxide	13463-67-7	1-5
Silane, ethenyltrimethoxy	2768-02-7	>=0.15-<1.5
1-Propanamine, 3-(trimethoxysilyl)	13822-56-5	<1
1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl	1760-24-3	<1
Dibutyltin dilaurate	77-58-7	>=0.03-<0.3

**04 FIRST AID MEASURES****4.1. Description of First Aid Measures:**

General Advice: Take off contaminated work clothing immediately. If you feel unwell, seek medical advice.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Incase of Skin Contact: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

Incase Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

If Swallowed: DO NOT induce vomiting. If symptoms persist, seek medical advice and show this container or label.

4.2. Important Symptoms and Effects of Both Acute and Delayed: No data available.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed: No data available.

05 FIRE FIGHTING MEASURES**5.1. Extinguishing Media:**

-Suitable Extinguishing Media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

-Unsuitable Extinguishing Media: High volume water jet.

5.2. Special Hazards Arising From the Mixture: Hazardous decomposition products may be formed under fire conditions. Exposure to decomposition products may be a hazard to health.

5.3. Advice for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

06 ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures: Ensure adequate ventilation. Avoid breathing dust/fume/ gas/mist/vapours/spray.

6.2. Environmental Precautions: Do not allow to enter sanitary sewer systems/ surface water or ground water.

6.3. Methods and Materials for Containment and Cleaning Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.

6.4. Reference to Other Sections: See section: 7, 8, 11, 12 and 13.

07 HANDLING AND STORAGE

7.1. Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash your hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapors. Use only with adequate ventilation.

7.2. Conditions for Safe Storage, Including Any Incompatibilities: Keep container tightly closed in a dry, cool and well-ventilated place. Protect from frost, heat and sunlight. Protect from moisture. Keep away from heat. Keep away from food, drink and animal feeding stuffs.

7.3. Specific End Use(s): No data available.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control Parameters:**

Limestone (CAS. No: 1317-65-3)

OSHA PEL: TWA 15 mg/m³ (total) TWA 5 mg/m³ (resp)

Titanium Dioxide (CAS. No:13463-67-7)

TLV: 10 mg/m³ TWA (ACGIH)

Dibutyltin dilaurate (CAS. No: 77-58-7)



SAFETY DATA SHEET

"According to Occupational Safety & Health Administration Standard-29 CFR and Subsequent Amendments"

Akfix®

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TLV: 0.1 mg/m³ TWA; 0.2 mg/m³ STEL; (ACGIH)

8.2. Exposure Controls:

8.2.1. Engineering Controls: Use local exhaust or general dilution ventilation system.

8.2.2. Personal Protective Equipments:

Eye Protection: Safety glasses with side shields or chemical splash goggles.

Skin Protection: Wear suitable protective clothing.

Hand Protection: Butyl rubber/nitrile rubber gloves.

Respiratory Protection: Use appropriate respiratory protective device in case of insufficient ventilation.

8.2.3. Environmental Exposure Controls: Do not flush into sanitary sewer systems/ surface water or ground water.

09 PHYSICAL AND CHEMICAL PROPERTIES

9.1. General Information:

Appearance: Paste

Colour: Various

Odour: Characteristic

Odour Threshold: No data available.

Ph: No data available.

Melting/Freezing Point: No data available.

Boiling Point/Boiling Range: No data available.

Flash Point: No data available.

Evaporation Rate: No data available.

Flammability: Not flammable.

Explosion Lower/Upper Limits: No data available.

Vapour Pressure: No data available.

Density: 1.40 ± 0.03 g/ml

Bulk Density: No data available.

Solubility: Insoluble in water at 23°C.

Partition Coefficient:n-octanol/water: No data available.

Auto-Ignition Temperature: No data available.

Decomposition Temperature: No data available.

Flow Time: No data available.

Explosive Properties: Not explosive.

Oxidising Properties: Not oxidizing.

9.2. Other Informations:

VOC: Less than 27 g/l.

10 STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical Stability: The product is chemically stable.

10.3. Possibility of Hazardous Reactions: No hazardous reactions known.

10.4. Conditions to Avoid: No data available.

10.5. Incompatible Materials: No data available.

10.6. Hazardous Decomposition Products: Build-up of dangerous fumes possible in cases of fire/high temperature.

11 TOXICOLOGICAL INFORMATIONS

11.1. Information on Toxicological Effects:

Acute Toxicity (oral/inhalation/dermal): No data available.

Toxicological information of the main substances found in the mixture:

Acute toxicity values:

Trimethoxyvinylsilane (CAS No: 2768-02-7)



LD50 (Oral): 7100 mg/kg-Rat: Source: OECD 401
LD50 (Skin): 3200 mg/kg-Rabbit: Source: OECD 402
LC50 (Inhalation): 16.8 mg/kg-Rat-Duration: 4h - Source: OECD 403

3-(trimethoxysilyl)propylamine (CAS No: 13822-56-5)

LD50 (Oral): >2000 mg/kg-Rat
LD50 (Dermal): >2000 mg/kg-Rabbit
Dibutyltin dilaurate (CAS No: 77-58-7)

LD50 (Oral): 2071 mg/kg-Rat
LD50 (Dermal): >2000 mg/kg-Rat

-Skin Corrosion/Irritation: Not classified based on available information.

-Serious Eye Damage/Eye Irritation: Not classified based on available information.

-Respiratory or Skin Sensitization: Not classified based on available information.

-Germ Cell Mutagenicity: Not classified based on available information.

-Carcinogenicity: Not classified based on available information.

-Reproductive Toxicity: Not classified based on available information.

-STOT - Single Exposure: Not classified based on available information.

-STOT - Repeated Exposure: Not classified based on available information.

-Aspiration Toxicity: Not classified based on available information.

12 ECOLOGICAL INFORMATION

12.1. Toxicity: No data available.

Toxicity values:

Trimethoxyvinylsilane (CAS No: 2768-02-7)

LC50: Fish = 191 mg/l - Duration: 96 h

EC50: Daphnia >100 mg/l - Duration: 48 h

LC50: Algae = 210 mg/l - Duration: 72 h

3-(trimethoxysilyl)propylamine (CAS No: 13822-56-5)

LC50: Fish = 1.264 mg/l Source: OECD Guideline 203 (Fish, Acute Toxicity Test)

EC50: Daphnia= 302 mg/l Source: OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Dibutyltin dilaurate (CAS No: 77-58-7)

LC50: Fish = 7.6mg/l - Duration: 48 h

EC50: Daphnia =660µg/l - Duration: 24 h

12.2. Persistence and Degradability: No data available.

Dibutyltin dilaurate (CAS No: 77-58-7): Aerobic, 12%
EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)

12.3. Bioaccumulative Potential: No data available.

Dibutyltin dilaurate (CAS No: 77-58-7):

Species: Cyprinus carpio, LogKow: 10,64

12.4. Mobility in Soil: No data available.

Dibutyltin dilaurate (CAS No: 77-58-7):

Bioconcentration factor (BCF): 31-155

12.5. Results of PBT and vPvB Assessment: No data available.

12.6. Other Adverse Effects: The product should not be allowed to enter drains, water courses or the soil.

13 DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods:

Product: Dispose of the waste products in accordance with local regulations. Waste disposal facilities should be carried by a licensed waste disposal authorities.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of the packaging materials in accordance with local regulations. Waste disposal facilities should be carried by a licensed waste disposal authorities.



14 TRANSPORT INFORMATION

- 14.1. UN Number:** Not applicable.
14.2. Proper UN Shipping Name: Not applicable.
14.3. Transport Hazard Class(es): Not applicable.
14.4. Packing Group: Not applicable.
14.5. Environmental Hazard: Not applicable.
14.6. Special Precautions for User: Not applicable.
14.7. Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15 REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations Specific for the Preparations

- OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- United States TSCA Inventory, (TSCA).

16 OTHER INFORMATION

16.1. Indication of Changes to the Previous Version

Preparation Date: 01.06.2015

Revision No: 00

16.2. Abbreviations and Acronyms

CFR: Code for Federal Regulations.

ACGIH: American Conference of Governmental Industrial Hygienists, Inc.

STEL: Short Term Exposure Limit.

OEL: Occupational exposure limit.

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

TWA: Time weighted average.

WEEL: Workplace Environmental Exposure Level.

PBT: Persistent, bioaccumulative and toxic according to 1907/2006/EC, Annex XIII.

vPvB: Very persistent and very bioaccumulative according to 1907/2006/EC, Annex XIII.

CAS No: Chemical abstract service index number.

EC50: Half maximal effective concentration.

LC50: Median lethal concentration.

LD50: Median lethal dose.

16.3. Further Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. The company supplying entity shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

Department issuing SDS: Product safety department.

Contact: Product safety department support@akfix.com/info@akfix.com