

## MALZEME GÜVENLİK BİLGİ FORMU

**Müstahzarın Adı:** Maximo - Liquid Glass Silk Matte A Component **Güncelleme Tarihi:** 22.12.2021

**Sayfa No** : 1/12  
**Revizyon** : 01

Zararlı Maddeler ve Karışımlara İlişkin Güvenlik Bilgi Formları Hakkında Yönetmelik (R.G 13.12.2014 Tarih – 29204 Nolu Resmi Gazete) ve (AB) No 1272/2008 uyarınca hazırlanmıştır.

### 1. Preparations and Company Description

**1.1. Description of the preparations:** It is a solvent-based, transparent, two-component product with chemical and physical resistance as well as high water resistance, 4 times stronger, used for decorative and waterproofing purposes.

**Product Name:** Maximo - Liquid Glass Silk Matte A Component

**1.2. Use of the preparations:** For Professional and General Use

#### 1.3. Company Description

Manufacturer's

**Name :** Orkim Ortaklar Boya San.ve Paz.A.Ş.

**Address :** Karaağaç Mah. Hadımköy İstanbul Cad. No: 36 Büyükçekmece / İstanbul

**Phone :** +90 212 858 16 00 (4 lines)

**Fax :** +90 212 858 04 08

**Emergency Wire:** 114 (National Poison Advisory Center-UZEM)

### 2. Introduction of Hazards

#### 2.1. Classification of the mixture:

##### 2.1.1. Pest Classification

- flame. Liquid 2, H225
- Skin Irr. 2; H315
- BHOT. again. Mrz. 2, H373
- BHOT Again Mrz3; H336
- Reproductive Tox.2, H361d

#### 2.2. Label Elements

Label elements according to the regulation on the classification, labeling and packaging of substances and mixtures (R.G. 11/12/2013-28848)

##### 2.2.1. Tagging:

**Signs of Harmfulness**



#### Warning Word

- Danger

#### Harmful Expressions

- H225: Highly flammable liquid and vapour.



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**Revizyon** : 01

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- H315: Causes skin irritation.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H336: Can lead to restlessness or dizziness.
- H361: Suspected of damaging fertility or the unborn child.

### Precautionary Statements

#### - Measure

- P201: Read special instructions before use.
- P202: Do not handle until all precautionary statements have been read and understood.
- P210: Keep away from heat/sparks/flames/hot surfaces. –Nonsmoking.
- P233: Keep the container tightly closed.
- P240: Place/connect the container and receiver equipment in the ground.
- P241: Use explosion-resistant electrical/ventilation/igniting material.
- P242: Use only fire-free tools.
- P243: Take preventive measures against static discharge.
- P261: Avoid inhaling dust/smoke/gas/fog/vapor/spray.
- P264: Wash thoroughly with soap and water after handling.
- P271: Use only outside or in a well-ventilated area.
- P280: Use protective gloves/ protective clothing / eye protection / face protection.
- P281: Use personal protective equipment.

#### -Intervention

- P303+P361+P353: In case of skin (or hair) contact: Remove / take off immediately all contaminated clothing. Rinse your skin with water / shower.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P304+P340: IF INHALED: If breathing is difficult, remove victim to fresh air and keep in a position comfortable for breathing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P308+P313: IF exposed or concerned: Get medical advice/attention.
- P332+P313: If skin irritation occurs: Get medical advice / attention.
- P362: Take off contaminated clothing and wash before reuse.
- P314: Get medical advice/attention if you feel unwell.
- P321: Special attention required (see label)

#### -Storage

- P403+P233: Store in a well-ventilated area. Keep container tightly closed
- P403+P235: Store in a well-ventilated area. Keep cold.
- P405: Store locked up.

#### -Disposal

- P501: Dispose of contents / container according to “Hazardous Waste Disposal Regulation”. Disposal together with household waste is prohibited. Prevent it from reaching the sewer

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Revizyon : 01

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### 2.3. Other Damages

- There is no other known harm.

### 3. Bileşimin İçeriği Hakkında Bilgi

substance	Cas No	EC No	Concentration(%)	classification
Toluen	108-88-3	203-625-9	50--55	Flame liquid 2; H225 Product Fog. Full. 2nd; H361d STOT Tech. Mrs. 3; H336 skin test.2; H315 STOT Repeat. Mrs. 2nd; H373 Asp. Full. 1, H304
Butil Asetat	123-86-4	203-658-1	9-16	Flame. Liquid 3; H226 STOT. Single. Mrs. 2nd; H336
2-metoksi-1-metiletilasetat	1628-89-3	203-603-9	<5	Flame. Liquid 3; H226 STOT. Single. Mrs. 2nd; H336
Solvent nafta (petrol), hafif aroma.	64742-95-6	265-199-0	<5	Flame. Liquid 3; H226 Asp. Full. 1, H304 Aquatic Chronic 2; H411 STOT Tech.Mrz.3; H335
Dibutiltin Dilaurat	77-58-7	201-039-8	<3	Muta.2; H341 Reproductive System Tok.1B, H360 STOT Repeat. Mrs. 1; H372
Glisidoksipropiltrimetoksisilan	2530-83-8		<3	Eye Damage 1; H318

### 4. First Aid Measures

#### Eye Contact

- If you have a contact lens, check and remove it.
- In case of contact, urgently wash your eyes for at least 15 minutes with plenty of water. Consult a doctor immediately for medical attention.

#### Skin Contact

- In contact, wash the skin with plenty of water.
- Cover the irritated skin with ointment.
- Remove the contact dress and shoes.
- Wash clothes and shoes before reuse.

#### Swallowing

- Do not encourage the person to vomit directly unless requested by the Medical Staff if ingested. If it vomits spontaneously, tilt it sideways so that the airway remains clean.
- See a doctor. Never give anything orally to the unconscious person. If the ingested substance is in high quantities, call a doctor immediately.
- Loosen clothes, collar, tie belt and belt that squeeze your body.

#### Breathing

- In case of Severe Recess, immediately remove the exposed person to fresh air.
- Monitor his breathing If he is not breathing, perform artificial breathing if necessary. If you're having trouble breathing, give him oxygen. Perform artificial respiration if necessary. However, the person breathing in the



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breathing to be done from mouth to mouth may also be affected by the second degree, try to protect your mouth with a cloth or something similar.

- If symptoms appear, provide medical care contact the doctor. There is a serious health hazard if prolonged recess is exposed. Repeated and prolonged exposure can cause damage to the target organs. Harm to the unborn child is among the possible risks.

### 5. Fire Fighting Measures

#### 5.1. Fire Extinguishers

##### Suitable extinguishing media

- Carbon dioxide (CO<sub>2</sub>), dry chemicals, foam

##### Unsuitable extinguishing media

- Do not use water. Use water to cool unopened containers. Its vapors are heavier than air and can spread over large areas and reach sources of sparks. It floats on the water surface and can burn.

##### Other explanations

- Use the most suitable extinguishing equipment in the surrounding area.

#### 5.2. Special Hazards Caused by the Substance or Mixture

##### Combustion related hazards

- Flammable liquid. Keep away from heat, flame and sparks.

##### Explosion-related damages

##### Explosion Limits

- Bottom: 1.1 %vol
- Top: 7.0 %vol

##### Hazards related to reactivity

- No hazardous reactions heard.

#### 5.3. Advice for Fire Fighters

- Personnel on duty during fire fighting should use breathing apparatus and chemical protective clothing.

##### Fire Fighting Instructions

- Use protective gloves and clothing. Cool product packages with water spray. Refrigerate portable packages and move them to a safe environment.

##### Protective Equipment for Fire Fighting Personnel

- In case of fire, use a portable breathing apparatus.

##### Other Remarks



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**Revizyon** : 01

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• Cool the packages with water spray. In case of fire, evacuate the area. Interfere with the fire remotely. Inform the authorized units in large fires that cannot be controlled.

### 5.4. Other informations

- Cool the packages in the fire area with water.
- Take the personnel to the safe area.
- Avoid polluting the environment by using more fire extinguishers than necessary.
- Firefighting residues should not be allowed to reach sewers and groundwater.

## 6. Accidental Spreading Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Take the precautions outlined in Section 8.

#### 6.1.1. For Non-Emergency Personnel

##### Protective Equipment

- Wear appropriate protective equipment to prevent contamination of skin, eyes, personal clothing.
- See Section 8 of this form.

##### Emergency Procedures

- This product is flammable. Remove ignition sources.
- Provide adequate ventilation.
- Evacuate the hazardous area.
- Consult an expert for emergency procedures.

##### Other Remarks

- Do not touch or touch the product until all safety precautions have been thoroughly read and understood.

#### 6.1.2. For Persons Responding in an Emergency

##### Protective Equipment

- Wear suitable protective clothing, gloves and eye/face protection.

##### Emergency Procedures

- Remove unrelated personnel, evacuate the area. This product is flammable. Remove all ignition sources.

##### Other Remarks

- Make sure personnel thoroughly read and understand all safety precautions.

### 6.2. Environmental Precautions

Improper discharge to soil may cause soil and water contamination.

Prevent from entering sewers / groundwater / surface water

In case of mixing into waters or sewers, give warning to the competent authorities and inform the authorities.

### 6.3. Methods and Materials for Containment and Cleaning

Act in accordance with local regulations.

Place the contaminated material in a suitable container and dispose of it according to item 13.

#### 6.3.1. Spill Control Recommendations

If possible, stop the leak/leakage.



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Zararlı Maddeler ve Karışımlara İlişkin Güvenlik Bilgi Formları Hakkında Yönetmelik (R.G 13.12.2014 Tarih – 29204 Nolu Resmi Gazete) ve (AB) No 1272/2008 uyarınca hazırlanmıştır.

Ventilate the affected area.

### 6.3.2. Spill Cleanup Advice

If possible, stop the leak/leakage.

Ventilate the affected area.

Use non-sparking tools and equipment.

### 6.4. Other informations

Keep away from all sources of ignition.

### 6.5. Reference to Other Sections

See chapter 7 for information on safe use.

Get information on personal protective equipment from chapter 8.

Obtain information on liquidation from chapter 13.

## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

- Article 7 of the Regulation on Health and Safety Precautions in Working with Chemicals, published in the Official Gazette dated 12.08.2013 and numbered 28733, regarding the measures to be taken in works and workplaces working with hazardous chemicals in order to ensure the protection of health, safety and the environment, and Official Gazette dated 06.08.2013 and numbered 28730. In accordance with Article 7 of the Regulation on Health and Safety Precautions in Working with Carcinogenic or Mutagen Substances published in the Gazette, care should be taken to plan working procedures and take organizational measures.
- Keep away from heat / sparks / flames / hot surfaces. -No smoking.
- Keep container tightly closed.
- Ground/connect container and receiving equipment.
- Use explosion-proof electric/ventilation/ignition material.
- Only use non-flammable tools.
- Take preventive measures against static discharge.
- Avoid breathing dust / fumes / gas / mist / vapor / spray.
- Wash thoroughly with ... after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves / protective clothing / eye protection / face protection.
- Get information on safe use from section 7.
- Get information on personal protective equipment from section 8.
- Get information about liquidation from Chapter 13.

### 7.2. Conditions for Safe Storage, Including Incompatibilities

#### Technical Measures

Store in a well-ventilated area. Keep container tightly closed.

Store in a well-ventilated area. Keep cold.

Keep it locked.

FR-72-42(R02)



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### Maximum Storage Time

Shelf life is 2 years.

### 7.3. Specific End Uses

Take the precautions to be taken in the end-use areas given in Section 1.2.

## 8. Exposure Controls / Personal Protection

### 8.1. Control Parameters

108-88-3 Toluene(Toluen)	
PEL (USA)	Short time value: C 300;500*ppm Long time value: 200 ppm *10 minutes peak 8 hour-shift
REL (USA)	Short time value: 560 mg/m <sup>3</sup> , 150 ppm Long time value: 375 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	75 mg/m <sup>3</sup> , 20 ppm NIC-BEI

**Additional notices:** Based on the lists valid at the time of issue.

### 8.2. Occupational Exposure Controls

#### General Protective and Sanitary Precautions

Keep away from foodstuffs, drinks and feedstuffs. Immediately remove contaminated clothing. Wash your hands before breaks and at the end of work. Avoid touching your skin. Avoid contact with eyes and skin.

#### Protection of the Respiratory System

Vapors should not be inhaled. If working in such environments, a mask suitable for organic vapors and a personal fresh air mask should be used. After leaving the working environment, you can stay outdoors for a while.

#### Eye Protection

Protective chemical resistant goggles and full face shield should be used.

#### Skin / Hands / Feet Protection

Non-slip and chemical resistant gloves (such as nitrile gloves) should be used. Long sleeved protective clothing should be worn. According to general hygiene rules, no direct contact with any chemical substance should be allowed.

## 9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties	
view	liquid
smell	odorless
colour	Transparent
9.2. Other Information	

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Relative Density	1,97±0,03 g/cm <sup>3</sup> 20° C
Flash Point	38° C
boiling point	No Data
Explosion Hazard	No Data
viscosity	70 ± 3 KU
Resolution (In Water / Alcohol / Oil)	Water/water insoluble
Steam Pressure	No Data
Distribution Coefficient (n-octanol / water)	No Data
Ph Value at 25 C	No Data

### 10. Determination and Reaction

#### 10.1. Reaction

- There are no known harmful byproducts.

#### 10.2. Stability

- It is stable under normal conditions at room temperature.

#### 10.3. Possibility of Harmful Reaction

- His dangerous reaction is unheard of.

#### 10.4. Situations to Avoid

- Conditions that can result in harmful conditions such as temperature, pressure, light, shock, static discharge, vibrations or other physical stresses

#### 10.5. Items to Avoid

- Acids

#### 10.6. Harmful Degradation Products

- Corrosive gases, Vapors

### 11. Toxicology Information

#### 11.1. Acute Toxicity

Toxicity	Inhalation LC 50	Skin LD 50	Oral LD 50
Toluene	Toluene 5320 mg/l (mouse)	12124 mg/kg (rabbit)	5000 mg/kg (rat)





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### Information about Toxic Effects

- A. Eye:** With the detection of burning, it can cause moderate, mild eye irritation.
- B. Breathing:** Inhalation of steam can cause irritation of the respiratory system, coughing, wheezing and runny nose.
- A. Oral Taking:** Ingestion of the product may be harmful. Oral ingestion of this product can cause disorders of the central nervous system, headache, napping, dizziness, nausea, loss of coordination, difficulty breathing.

## 12. Ecological Knowledge

### Toluene

#### 12.1. Ecotoxicity

##### Harm to fish:

LC50 - Lepomismacrochirus (Bluegill) - 74.00 - 340.00 mg/l - 96 hours

LC50 - Oncorhynchusmykiss (rainbowtrout) - 7.63 mg/l - 96 hours

NOEC - Pimephalespromelas (fatheadminnow) - 5.44 mg/l - 7 days

LOEC - Pimephalespromelas (fatheadminnow) - 8.04 mg/l - 7 days

Toxicity to laurel and other aquatic organisms:

EC50 - Daphniamagna (Waterflea) - 8.00 mg/l - 24 h

Immobilization EC50 - Daphnia magna (Daphnia) - 6 mg/l - 48 hours

##### Toxicity to algae:

EC50 - Chlorellavulgaris (Fresh algae) - 245.00 mg/l - 24 hours

EC50 - Pseudokirchneriellasubcapitata (green algae) - 10.00 mg/l - 2 hours

\*Prevent it from reaching groundwater, standing and running waters and sewers. It threatens drinking water if even small amounts run underground.

**12.2. Mobility:** Not classified.

**12.3. Persistence and Loss of Attribute:** Not Classifiable.

#### 12.4. Bioaccumulation Potential:

Leuciscusidus (Golden orpheus) - 3 d

Bioconcentration factor (BCF): 94

## 13. Disposal Information

### 13.1. Waste Treatment Methods

- Have the absorbed material destroyed by burning in a suitable facility with a license.
- Waste and used packaging should be disposed of in accordance with official regulations.

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- Avoid mixing with surface and underground waters, drinking water sources, standing and running water, and sewerage.

### 13.2. Safe Disposal

- Dispose of the contents / container according to the “Hazardous Waste Disposal Regulation”. Disposal together with household waste is prohibited. Prevent it from reaching the sewer.
- In such cases, inform the official authorities.

### 13.3. European Waste Catalogue and Hazardous Waste List Number

- Assignment of waste identification numbers / waste descriptions should be industry and process specific according to EWC.

### 13.4. Cleaned Packages

- Disposal is made in accordance with the Hazardous Waste Disposal Regulation.

### 13.5. Recommended Cleaning Material

- Deliver the used packaging to institutions or organizations that provide professional waste disposal service.

### 13.6. Additional info

- Consult national and international legislation on waste.
- Do not dispose of the product without checking the waste regulations.
- See Chapter 7 for safe handling methods.

## 14. Transportation

### 14.1. Road Transport (ADR/RID)



**UN Number:**1263

**Eligible UN Transport Name:** PAINT RELATED MATERIAL (including paint, varnish, enamel, colorant, lacquer, polish, polishing liquid filler and liquid varnish base)

**Transportation Hazard Class(s) :** 3

**Packaging Group:** II

### 14.2. Sea Freight (IMDG)



**UN Number:** 1263

**Eligible UN Transport Name:** PAINT RELATED MATERIAL (including paint, varnish, enamel, colorant, lacquer, polish, polishing liquid filler and liquid varnish base)

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**Transportation Hazard Class(s) :** 3

**Packaging Group:** II

### 14.3. Air Transport (ICAO-TI/IATA-DGR)



**UN Number:** 1263

**Eligible UN Transport Name:** PAINT RELATED MATERIAL (including paint, varnish, enamel, colorant, lacquer, polish, polishing liquid filler and liquid varnish base)

**Transportation Hazard Class(s) :** 3

**Packaging Group:** II

## 15. Regulatory Information

*This product; It is classified and labeled according to the procedures and principles stipulated in the "Regulation on the Classification, Labeling and Packaging of Substances and Mixtures" and "EU legislation".*

## 16. Other Information

### 16.1. Legal Instruments

The product should not be used for any other purpose than its specified purpose. The information in this security information form is based on the situation created by today's national legislation; guides from health, safety and environmental care. The information in this security information form is prepared in accordance with our information situation today; they do not constitute collateral for product characteristics and do not establish a contractual legal relationship.

### 16.2. Preparing / Editing / Publishing the Security Information Form:

**MSDS Preparer**

**First-Last Name:** Kimyg. Buse ÇELİK

**Contact Information:** 0212 858 16 00

**Document No:** 01.206.02

### 16.3. Arrangements Made

13 December 2014 and 29204.

### 16.4. Descriptions of Related Harmful Statements

- H226: Flammable liquid and vapour.
  - H225: Highly flammable liquid and vapour.
  - H315: Causes skin irritation.
  - H373: May cause damage to organs through prolonged or repeated exposure.
  - H336: Can lead to restlessness or dizziness.
  - H361: Suspected of damaging fertility or the unborn child.

### Abbreviations

FR-72-42(R02)



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**Sayfa No** : 12/12  
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RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the

International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent