1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Trade name: BetekSilan Silk

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture: Decorative protective coating
Recommended restrictions: on use

1.3 Details of the supplier of the safety data sheet
Company: Betek Egypt For Paints&Chemicals
1st industrial zone No.198 6th October City, Egypt
Telephone: (+202) 383 14 730 (8 Line
Telefax: (+202) 383 14 737
E-mail Address: info@betek.com.eg

1.4. Emergency telephone number
Emergency telephone number: (+202) 383 14 730
E-mail address: info@betek.com.tr

2. Hazards identification

2.1 Classification of the substance or mixture
Classification (REGULATION (EC) No 1272/2008)
Not a dangerous substance according to GHS.
Classification (67/548/EEC, 1999/45/EC)
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or1999/45/EC.

2.2 Label Elements
Labelling (REGULATION (EC) No 1272/2008)
Not a dangerous substance according to GHS.
Labelling according to EC Directives (1999/45/EC)
Further information: The product does not need to be labelled in accordance with EC directives or respective national laws.
2.3 Other hazards
Keep out of reach from children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the paint. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water. Do not breathe spray dust.

3. Composition/information on ingredients
3.2 Mixtures
Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. First aid measures
4.1 Description of first aid measures
General advice : No hazards which require special first aid measures.
   Move out of dangerous area.
   First aider needs to protect himself.
If inhaled : Move to fresh air.

In case of skin contact : Wash skin thoroughly with soap and water or use recognized skin cleanser.
   Take off all contaminated clothing immediately.
   Do NOT use solvents or thinners.

In case of eye contact : Remove contact lenses
   Irrigate copiously with clean, fresh water for at least 10 minutes,
   holding the eyelids apart
   Seek medical advice

If swallowed : If swallowed, DO NOT induce vomiting.
   If accidentally swallowed obtain immediate medical attention.
   Clean mouth with water and drink afterwards plenty of water.
   Never give anything by mouth to an unconscious person

4.2 Most important symptoms and effects, both acute and delayed
Symptoms : No information available.
Risks : No information available.

4.3. Indication of any immediate medical attention and special treatment needed
Treatment : No information available.
5. Firefighting Measures

5.1 Extinguishing media
Suitable Extinguishing Media: Not combustible.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: High volume water jet

5.2. Special hazards arising from the substance or mixture
Specific Hazards During firefighting: Burning produces irritant fumes.
Do not allow run-off from fire fighting to enter drains or water courses

5.3 Advice for firefighters
Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.
Use personal protective equipment

Further information: The product itself does not burn.
Standard procedure for chemical fires

6. Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures
Personal precautions: Avoid contact with skin and eyes.
Material can create slippery conditions.
Use protective shoes or boots with rough rubber sole.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental Precautions
Environmental precautions: Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
Prevent further leakage or spillage if safe to do so

6.3 Methods and Materials for Containment and Cleaning up
Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Suitable cleaning agents Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For further information see Section 8 & 13 of the safety data sheet.
7. Handling and Storage

7.1 Precautions for Safe Handling

Advice on Safe Handling: No special technical protective measures required. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Store at room temperature in the original container. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To maintain product quality, do not store in heat or direct sunlight. Perishable if frozen. Observe label precautions.

Advice on common storage: Keep away from oxidising agents and strongly acid or alkaline materials.

7.3 Specific end uses: Please follow the technical information of the manufacturer.

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required. Do not use for spraying.

Hand protection: For prolonged or repeated contact use protective gloves. Trade association leaflet: Carry gloves (ZH 1/706) Trade association leaflet: A 023 Hand and skin protection

Eye protection: Safety glasses. Trade association rules -BGR 192 Eye protection

Skin and body protection: Protective suit
Hygiene measures: Ensure adequate ventilation, especially in confined areas. Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Wash hands before breaks and at the end of workday.

Protective measures: No special protective equipment required.

Environmental exposure controls:
General advice: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Prevent further leakage or spillage if safe to do so.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid
- Colour: Pigmented
- Odour: Characteristic
- Odour Threshold: Not applicable
- pH: No data available
- Melting point/range: ca. 0 °C
- Boiling point/boiling range: 100 °C
- Flash point: Not applicable
- Evaporation rate: Not applicable
- Flammability (solid, gas): Not determined
- Lower explosion limit: Not applicable
- Upper explosion limit: Not applicable
- Vapour pressure: ca. 23 hPa
- Relative vapour density: Not applicable
- Relative density: Not applicable
- Density: 1.40 + 0.02 g/ml
- Water solubility: Completely miscible
- Partition coefficient: n-octanol/water: Not determined
- Autoignition temperature: Not determined
- Thermal decomposition: No data available
- Explosive properties: Not applicable
- Oxidizing properties: No data available
9.2 Other information
Flow time: Not determined

10.1 Reactivity
No decomposition if stored and applied as directed.

10.2 Chemical stability
No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions
Hazardous reactions: No decomposition if stored and applied as directed.

10.4 Conditions to avoid
Conditions to avoid: Protect from frost, extremes of temperature and direct sunlight.

10.5 Incompatible materials
Materials to avoid: Incompatible with oxidizing agents, incompatible with acids and bases.

10.6 Hazardous decomposition products
Hazardous decomposition products: No decomposition if stored and applied as directed. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
11. Toxicological information

11.1. Information on toxicological effects

Product:

Acute oral toxicity: > 2.000 mg/kg

Acute inhalation toxicity: No data available

Acute dermal toxicity: No data available

Skin corrosion/irritation: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin: No data available

Further information: There is no data available for this product. Information given is based on data on the components and the toxicology of similar products.

12. Ecological information

12.1. Toxicity

Product:

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

12.2. Persistence and degradability

Product:

Biodegradability: No data available

12.3. Bioaccumulative potential

Product:

Bioaccumulation: no data available
### 12.4 Mobility in soil

**Product:**
- Mobility: no data available

### 12.5 Results of PBT and vPvB assessment

**Product:**
- Assessment: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT),. This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

### 12.6 Other adverse effects

**Product:**
- Additional ecological Information: There is no data available for this product.

### 13. Disposal considerations

#### 13.1 Waste treatment methods

**Product:**
- The product should not be allowed to enter drains, water courses the soil.
- Disposal together with normal waste is not allowed.
- Special disposal required according to local regulations.

**Contaminated packaging:**
- Only completely emptied containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 Proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

**Remarks:**
- See sections 6-8

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**Remarks:**
- Not applicable
15. Regulatory information

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

Water contaminating class : 1 : Slightly water endangering

Product code for laquers and paints / Giscode : M-DF01 Product code for laquers and paints

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance

16. Other information

Further information

Other information : No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC. This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) -registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
REACH and GHS/CLP Information

We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company.

We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

The amendment of safety data sheets of mixtures or preparations in accordance with GHS/CLP regulation will be carried out during a transitional period until June 1, 2016.

We will conduct the adjustment of our safety data sheets during the time frame of the transitional period as soon as new information is available from our suppliers.