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

- Product identifier
- Trade name: MIDOMIX Filler 2K
- Relevant identified uses of the substance or mixture and uses advised against
  No further relevant information available.
- Application of the substance / the mixture.
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  MIDO Coatings
  New Borg El-Arab City,
  2nd Industrial Zone,
  Alexandria,
  EGYPT
  contact@midoco.com
- Further information obtainable from: Product safety department
- Emergency telephone number: During normal opening times: +203 4625042 / 3

2 Hazards identification

- Hazard description:
  Xn Harmful
  F  Highly flammable

- Information concerning particular hazards for human and environment:
  The product has to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.
  R 11  Highly flammable.
  R 20/21 Harmful by inhalation and in contact with skin.
  R 38  Irritating to skin.
  R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
  R 63  Possible risk of harm to the unborn child.
  R 65  Harmful: may cause lung damage if swallowed.

- Classification system:
  The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- GHS label elements

  Danger
  H225 - Highly flammable liquid and vapour
3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

  | CAS: 1330-20-7 | xylene | Xn, Xi; R 10-20/21-38 | 10-25% |
  | EINECS: 215-535-7 |        |                       |        |
  | CAS: 108-88-3 | toluene | Repr. Cat. 3; Xn, Xi; F; R 11-38-4/20-63-65-67 | 10-25% |
  | EINECS: 203-625-9 |        |                       |        |

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:**
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**
  Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
  In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**
  Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**
  Rinse opened eye for several minutes under running water.

- **After swallowing:**
  If symptoms persist consult doctor.

5 Firefighting measures

- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.
6 Accidental release measures

- Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection:
  Do not allow product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.
- Measures for cleaning/collecting:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
  Do not flush with water or aqueous cleansing agents.

7 Handling and storage

- Handling:
  - Information for safe handling:
    Ensure good ventilation/exhaustion at the workplace.
    Prevent formation of aerosols.
  - Information about fire - and explosion protection:
    Keep ignition sources away - Do not smoke.
    Protect against electrostatic charges.
- Storage:
  - Requirements to be met by storerooms and receptacles: Store in a cool location.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions:
    Keep container tightly sealed.
    Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>T330-20-7 xylene</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>108-88-3 toluene</td>
</tr>
<tr>
<td>---------------------------</td>
</tr>
<tr>
<td>WEL</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

- Additional information: The lists valid during the making were used as basis.
- Personal protective equipment:
  - General protective and hygienic measures:
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing
    Wash hands before breaks and at the end of work.
    Avoid contact with the skin.
    Avoid contact with the eyes and skin.

(Contd. of page 2)
**Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:**
- Protective gloves
  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**
- Tightly sealed goggles

---

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
</tr>
<tr>
<td><strong>Odour:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Melting point/Melting range:</strong></td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong></td>
</tr>
</tbody>
</table>

| **Flash point:** | 4°C |
| **Ignition temperature:** | 500°C |
| **Self-igniting:** | Product is not selfigniting |

<table>
<thead>
<tr>
<th><strong>Danger of explosion:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Product is not explosive. However, formation of explosive air/vapour mixtures are possible</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Explosion limits:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lower:</strong></td>
</tr>
<tr>
<td><strong>Upper:</strong></td>
</tr>
</tbody>
</table>

| **Vapour pressure at 20°C:** | 29 hPa |
| **Density:** | 1.70-1.75 g/cm³ |

<table>
<thead>
<tr>
<th><strong>Solubility in / Miscibility with water:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Not miscible or difficult to mix</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Solvent content:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Organic solvents:</strong></td>
</tr>
<tr>
<td><strong>VOC (EC)</strong></td>
</tr>
</tbody>
</table>

| **Solids content:** | 50.0 % |
10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene</td>
<td>Oral: 4300 mg/kg (rat)</td>
<td>Dermal: 2000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td>Oral: 5000 mg/kg (rat)</td>
<td>Dermal: 12124 mg/kg (rabbit)</td>
</tr>
<tr>
<td></td>
<td>Inhalative: 5320 mg/l (mouse)</td>
<td></td>
</tr>
</tbody>
</table>

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
- Harmful
- Irritant

12 Ecological information

- **Additional ecological information:**
- **General notes:**
  Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
  Do not allow product to reach ground water, water course or sewage system.
  Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

**Land transport ADR/RID** (cross-border)

- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1263
Trade name: MIDOMIX Filler 2K

Packaging group: III
Hazard label: 3
Description of goods: 1263 PAINT
Tunnel restriction code D/E

Maritime transport IMDG:

IMDG Class: 3
UN Number: 1263
Label 3
EMS Number: F-E,S-E
Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3
UN/ID Number: 1263
Label 3
Packaging group: III
Proper shipping name: PAINT

UN "Model Regulation": UN1263, PAINT, 3, III

15 Regulatory information

Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xn Harmful
F Highly flammable

toluene
xylene

Hazard-determining components of labelling:

Risk phrases:
11 Highly flammable.
20/21 Harmful by inhalation and in contact with skin.
38 Irritating to skin.
48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
63 Possible risk of harm to the unborn child.
65 Harmful: may cause lung damage if swallowed.

Safety phrases:
2 Keep out of the reach of children.
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
36/37 Wear suitable protective clothing and gloves.
16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases
  10 Flammable.
  20/21 Harmful by inhalation and in contact with skin.
  37/38 Irritating to respiratory system and skin.
  38 Irritating to skin.
  41 Risk of serious damage to eyes.
  66 Repeated exposure may cause skin dryness or cracking.
  67 Vapours may cause drowsiness and dizziness.

- Department issuing MSDS: Product safety department

- Contact: Mr. Khaled Elwany

- Abbreviations and acronyms:
  DR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  RID: Règlement international concernant 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)
  GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  VOC: Volatile Organic Compounds (USA, EU)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent