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

- Product details
  - Trade name: Kapci 2001
  - Application of the substance / the preparation
    This Product Is designed for metal and wood application by professional painters only, in accordance with the manufactures instructions specified in the technical data sheet.
  - Manufacturer/Supplier:
    Kapci Coatings
    Industrial Zone El - Raswa
    Port Said
    EGYPT
    mohamed.rashad@kapci.com
- Further information obtainable from: Product safety department
- Information in case of emergency: During normal opening times: +20 66 3770000

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 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.
  - R 67 Vapours may cause drowsiness and dizziness.

- 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.
  - Danger
    H304 - May be fatal if swallowed and enters airways.
    H361d - Suspected of damaging the unborn child.
    H373 - May cause damage to organs through prolonged or repeated exposure.
  - Warning
    H315 - Causes skin irritation.
    H336 - May cause drowsiness or dizziness.

- Prevention:
  - P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

(Contd. on page 2)
Trade name: Kapi 2001

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

Response:
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.

Storage:
P405 Store locked up.

Disposal:
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

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

- Dangerous components:

<table>
<thead>
<tr>
<th>CAS: 123-86-4</th>
<th>n-butyl acetate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 204-658-1</td>
<td>R 10-66-67</td>
</tr>
<tr>
<td>25.0%</td>
<td></td>
</tr>
</tbody>
</table>

Warning: 2.6/3; 3.8/3

<table>
<thead>
<tr>
<th>CAS: 108-88-3</th>
<th>toluene</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.0%</td>
<td></td>
</tr>
</tbody>
</table>

Warning: 2.6/2; 3.10/1, 3.7/2, 3.9/2

- 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; consult doctor in case of complaints.

- After skin contact: Generally the product does not irritate the skin.

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

- After swallowing: If symptoms persist consult doctor.

5 Fire-fighting 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.
  Do not allow to enter sewers/ surface or ground water.

- Measures for cleaning/collection:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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 storeroms 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>Substance</th>
<th>Short-term value</th>
<th>Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-86-4 n-butyl acetate</td>
<td>966 mg/m³, 200 ppm</td>
<td>724 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td>384 mg/m³, 100 ppm</td>
<td>191 mg/m³, 50 ppm</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.
  Wash hands before breaks and at the end of work.

- 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
9 Physical and chemical properties

- **General Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Fluid</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>According to product specification</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Characteristic</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>110°C</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>4°C</td>
</tr>
<tr>
<td><strong>Ignition temperature</strong></td>
<td>370°C</td>
</tr>
<tr>
<td><strong>Self-igniting</strong></td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion</strong></td>
<td>Product is not explosive.</td>
</tr>
<tr>
<td></td>
<td>However, formation of</td>
</tr>
<tr>
<td></td>
<td>explosive air/vapour</td>
</tr>
<tr>
<td></td>
<td>mixtures are possible.</td>
</tr>
<tr>
<td><strong>Explosion limits</strong></td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>1.2 Vol %</td>
</tr>
<tr>
<td>Upper</td>
<td>7.5 Vol %</td>
</tr>
<tr>
<td><strong>Vapour pressure at 20°C</strong></td>
<td>29 hPa</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>0.94 : 1.10</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with water</strong></td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td><strong>Solvent content</strong></td>
<td></td>
</tr>
<tr>
<td>Organic solvents</td>
<td>40.0 %</td>
</tr>
<tr>
<td>VOC (EC)</td>
<td>40.00 %</td>
</tr>
<tr>
<td><strong>Solids content</strong></td>
<td>60.0 %</td>
</tr>
</tbody>
</table>

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used according to specifications.
Trade name: Kapci 2001

11 Toxicological information

- Acute toxicity:

  - LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Material</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>5000 mg/kg (rat)</td>
<td>12124 mg/kg (rabbit)</td>
<td>5320 mg/l (mouse)</td>
</tr>
</tbody>
</table>

- Primary irritant effect:

  - on the skin: No irritant effect.
  - 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:

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

- Product:

  - 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): 33
  - UN-Number: 1993
  - Packaging group: II
### 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

- **Hazard-determining components of labelling:**
  
  toluene

- **Risk phrases:**
  
  11 Highly flammable.
  
  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.
  
  67 Vapours may cause drowsiness and dizziness.

- **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.
Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 16.05.2010 Revision: 16.05.2010

Trade name: Kapci 2001

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.
  11 Highly flammable.
  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.
  66 Repeated exposure may cause skin dryness or cracking.
  67 Vapours may cause drowsiness and dizziness.

- Department issuing MSDS: Product safety department
- Contact: Mr. Rashad

- Abbreviations and acronyms:
  - ADR: 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