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

1.1 Product identifier
- Trade name: CINGARD PRIMER FD /R
- Component: RESIN
- Article number: 7P-921.3701
- Version number: 2

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance / the mixture: Primer

1.3 Details of the supplier of the safety data sheet
- Identification of the company/undertaking:
  - CIN - Corporação Industrial do Norte, S.A. - Av de Dom Mendo, nº 831 (antes EN13 km6)
    4474-009 Maia - Portugal - T +351 229 405 000 - customerservice@cin.com
    T +34 93 565 66 00 - customerservice.es@cin.com
  - CIN Celliose, S.A. - Chemin de la Verrerie - BP 58 - 69492 Pierre Bénite Cedex - France
    T +33 (0) 4 72 39 77 77 - customerservice.fr@cin.com
- Further information obtainable from:
  E-mail address of the competent person responsible for the Safety Data Sheet: msds@cin.com

1.4 Emergency telephone number:
- Portugal:
  - Company: + (351) 22 940 5000
  - Antipoison Information Center: + (351) 808 250 143
  - Emergency Service (24 hours): + (351) 21 352 47 65
- Spain:
  - Company + (34) 93 565 66 00
  - France:
  - Company ORFILA: + (33) 01 45 42 59 59

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

GHS07

Skin Sens. 1  H317 May cause an allergic skin reaction.

Aquatic Chronic 3  H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
  The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)
Trade name: CINGARD PRIMER FD /R

- Hazard pictograms
  GHS07

- Signal word Warning

- Hazard-determining components of labelling:
  tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate
  aspartic ester

- Hazard statements
  May cause an allergic skin reaction.
  Harmful to aquatic life with long lasting effects.

- Precautionary statements
  Wear protective gloves/protective clothing/eye protection/face protection.
  Avoid breathing vapours.
  Avoid release to the environment.
  If skin irritation or rash occurs: Get medical advice/attention.
  IF ON SKIN: Wash with plenty of water.
  Dispose of contents/container in accordance with regional/national regulations.

- 2.3 Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>136210-30-5</td>
<td>tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate</td>
<td>25-50%</td>
</tr>
<tr>
<td>Reg.nr.: 01-0000017556-64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7727-43-7</td>
<td>barium sulphate, natural substance with a Community workplace exposure limit</td>
<td>25-50%</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119491274-35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>152637-10-0</td>
<td>aspartic ester</td>
<td>10-25%</td>
</tr>
<tr>
<td>25640-78-2</td>
<td>isopropylbiphenyl, isomers</td>
<td>10-25%</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119982993-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>69009-90-1</td>
<td>disisopropyl-1,1'-biphenyl</td>
<td>1-2.5%</td>
</tr>
<tr>
<td>Reg.nr.: 02-2119625248-38</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
SAFETY DATA SHEET

According to Regulation (EC) n ° 1907/2006 and its amendments

Trade name: CINGARD PRIMER FD /R

- After inhalation:
  Supply fresh air and to be sure call for a doctor.
  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.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture
  No further relevant information available.
- 5.3 Advice for firefighters
  Protective equipment: It might be necessary to use self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions:
  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.
- 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Avoid inhalation of spray application of the product.
  Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
  Storage:
  Requirements to be met by storerooms and receptacles: No special requirements.
  Information about storage in one common storage facility: Not required.
  Further information about storage conditions: None.
- 7.3 Specific end use(s) No further relevant information available.
SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- 8.1 Control parameters

<table>
<thead>
<tr>
<th>CAS: 7727-43-7 barium sulphate, natural</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL Long-term value: 10* 4** mg/m³</td>
</tr>
<tr>
<td>*inhalable dust **respirable dust</td>
</tr>
</tbody>
</table>

- Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls

- Personal protective equipment:
  - General protective and hygienic measures:
    - Immediately remove all soiled and contaminated clothing
    - 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

- 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
  - Appearance:
    - Form: Fluid
    - Colour: According to product specification
    - Odour: Characteristic
    - Odour threshold: Not determined.
Trade name: CINGARD PRIMER FD /R

- **pH-value**: Not determined.
- **Change in condition**
  - *Melting point/Melting range*: Undetermined.
  - *Boiling point/Boiling range*: 209 °C
- **Flash point**: >100 °C
- **Flammability (solid, gaseous)**: Not applicable.
- **Ignition temperature**:
  - *Decomposition temperature*: Not determined.
  - *Self-Igniting*: Product is not self-igniting.
  - **Danger of explosion**: Product does not present an explosion hazard.
  - **Explosion limits**:
    - *Lower*: Not determined.
    - *Upper*: Not determined.
  - **Vapour pressure**: Not determined.
  - **Density at 20 °C**: 1.386 g/cm³
  - **Relative density**: Not determined.
  - **Vapour density**: Not determined.
  - **Evaporation rate**: Not determined.
- **Solubility in / Miscibility with water**: Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water)**: Not determined.
  - **Solids content (w/w)**: 81.9 %
  - **9.2 Other information**: No further relevant information available.
  - **9.2 Other information**: The provisions of directive 2004/42/CE on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity**: No further relevant information available.
- **10.2 Chemical stability**
  - *Thermal decomposition / conditions to be avoided*: No decomposition if used according to specifications.
  - **10.3 Possibility of hazardous reactions**: No dangerous reactions known.
  - **10.4 Conditions to avoid**: No further relevant information available.
  - **10.5 Incompatible materials**: No further relevant information available.
  - **10.6 Hazardous decomposition products**: No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
  - **Acute toxicity**: Based on available data, the classification criteria are not met.
Trade name: CINGARD PRIMER FD /R

- LD/LC50 values relevant for classification:
  CAS: 25640-78-2 isopropylbiphenyl, isomers
  Oral LD50 2900 - 5000 mg/kg (rat)
  Dermal LD50 > 6000 mg/kg (rabbit)
  Inhalative LC50/4 h < 5.6 mg/l (rat)

- Primary irritant effect:
  - Skin corrosion/irritation Based on available data, the classification criteria are not met.
  - Serious eye damage/irritation Based on available data, the classification criteria are not met.
  - Respiratory or skin sensitisation
    May cause an allergic skin reaction.
  - CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
    - Germ cell mutagenicity Based on available data, the classification criteria are not met.
    - Carcinogenicity Based on available data, the classification criteria are not met.
    - Reproductive toxicity Based on available data, the classification criteria are not met.
    - STOT-single exposure Based on available data, the classification criteria are not met.
    - STOT-repeated exposure Based on available data, the classification criteria are not met.
  - Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity:
    CAS: 25640-78-2 isopropylbiphenyl, isomers
    EC50/48 h 0.17 mg/l (daphnia magna)
    EL50/72 h > 100 mg/l (algae)
    EC50/72 h 0.15 mg/l (algae)
    LC50/96 h 0.6 mg/l (fish)

- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Ecotoxicological effects:
  - Remark: Harmful to fish
- Additional ecological information:
  - General notes:
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or
    sewage system.
    Harmful to aquatic organisms
  - 12.5 Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation
  Disposal must be made according to official regulations.
Trade name: CINGARD PRIMER FD /R

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.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1 UN-Number</th>
<th>ADR, ADN, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Void</td>
<td>UN3082</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.2 UN proper shipping name</th>
<th>ADR, ADN, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Void</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (isopropylbiphenyl, isomers, diisopropyl-1,1'-biphenyl), MARINE POLLUTANT</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.3 Transport hazard class(es)</th>
<th>ADR, ADN, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Void</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.4 Packing group</th>
<th>ADR, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Void</td>
<td>III</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.5 Environmental hazards:</th>
<th>ADR, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product contains environmentally hazardous substances: isopropylbiphenyl, isomers</td>
<td>Void</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.6 Special precautions for user</th>
<th>ADR, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
<td>F-A,S-F</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</th>
<th>ADR, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.8 Label</th>
<th>ADR, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 Miscellaneous dangerous substances and articles.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.9 Transport/Additional information:</th>
<th>ADR, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.10 IMDG</th>
<th>ADR, IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited quantities (LQ)</td>
<td>5L</td>
<td>Code: E1</td>
</tr>
<tr>
<td>Exempted quantities (EQ)</td>
<td>Maximum net quantity per inner packaging: 30 ml</td>
<td>Maximum net quantity per outer packaging: 1000 ml</td>
</tr>
</tbody>
</table>

(Contd. on page 8)
SAFETY DATA SHEET
According to Regulation (EC) n° 1907/2006 and its amendments

Trade name: CINGARD PRIMER FD /R

- UN "Model Regulation": Void

SECTION 15: Regulatory information

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I: None of the ingredients is listed.
- National regulations:
  - Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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 phrases
  H304 May be fatal if swallowed and enters airways.
  H317 May cause an allergic skin reaction.
  H373 May cause damage to organs through prolonged or repeated exposure.
  H411 Toxic to aquatic life with long lasting effects.
  H412 Harmful to aquatic life with long lasting effects.
  H413 May cause long lasting harmful effects to aquatic life.

- Department issuing SDS: CIN - Corporação Industrial do Norte, S.A.
- Contact: See adress in section 1 os this MSDS
- 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)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Skin Sens. 1: Skin sensitisation – Category 1
  STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
  Asp. Tox. 1: Aspiration hazard – Category 1
  Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
  Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
  Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

* Data compared to the previous version altered.