SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Trade name: Polycarbonate
Company: Neoss Ltd.
Windsor House
Cornwall road
Harrogate, HG1 2PW
www.neoss.com
Telephone: +44 1423 817-733
Telefax: +44 1423 817-744
Email: info@neoss.com
Emergency telephone number: Your local Neoss office
Use of the Substance /Preparation: Production of moulded plastic articles

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENT

Polycarbonate based on bisphenol A

SECTION 3: HAZARDS IDENTIFICATION

Not a product dangerous for health or the environment according to the definition of EC Directives 2006/121/EC or 1999/45/EC and their valid adaptations and derived national regulations.

SECTION 4: FIRST AID MEASURES

In case of skin contact:
CONTACT WITH THE HOT MELT: Cool immediately with plenty of water. Do not remove product crusts which may have formed neither forcibly nor by applying any solvents to the skin involved.
To obtain treatment for possible burns, and appropriate skin care, seek medical advice immediately.
The following information refers to the handling of the product at room temperature. In case of skin contact wash affected areas thoroughly with soap and plenty of water.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: sprayed water jet, extinguishing powder, Carbon dioxide (CO2), Foam, Dry chemical
Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide.
In the event of fire and/or explosion do not breathe fumes.
Firemen must wear self-contained breathing apparatus.
Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: slip hazard!
Methods for cleaning up: Use mechanical handling equipment. Avoid dust formation.
Additional advice: For further disposal measures see chapter 13.
SECTION 7: HANDLING AND STORAGE

Handling
Under recommended processing conditions small amounts of residues of monomers and residual solvent may be emitted. Provided good ventilation and/or local exhaust systems are used, the Workplace Exposure Limit(s) stated in Chapter 8 should not be exceeded. Dust must be removed by effective exhaust ventilation.

Storage
No special storage conditions required.
VCI storage class (VCI = German Association of the Chemical Industry): 11

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The regulations for the substances listed below must be observed when processing this product, particularly at elevated temperatures. The provision of effective fresh-air and exhaust ventilation equipment at the points where vapours may be generated will ensure compliance with the tolerance limits quoted below.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>Basis</th>
<th>Type</th>
<th>Value</th>
<th>Ceiling Limit Value</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>phenol</td>
<td>108-95-2</td>
<td>TRGS 900</td>
<td></td>
<td>2 ppm 7.8 mg/m³</td>
<td></td>
<td>Dermal absorption possible</td>
</tr>
<tr>
<td>phenol</td>
<td>108-95-2</td>
<td>EU ELV</td>
<td>TWA</td>
<td>2 ppm 7.8 mg/m³</td>
<td></td>
<td>Dermal absorption possible</td>
</tr>
<tr>
<td>chlorobenzene</td>
<td>108-90-7</td>
<td>TRGS 900</td>
<td></td>
<td>10 ppm 47 mg/m³</td>
<td>2</td>
<td>If in compliance with the OEL and BEL values, then there should be no risk of reproductive damage.</td>
</tr>
<tr>
<td>chlorobenzene</td>
<td>108-90-7</td>
<td>TRGS 900</td>
<td>STEL CL</td>
<td>5 mg/m³</td>
<td>1</td>
<td>Category I: substances for which the localized effect has an assigned OEL respiratory passages.</td>
</tr>
<tr>
<td>chlorobenzene</td>
<td>108-90-7</td>
<td>EU ELV</td>
<td>TWA</td>
<td>5 ppm 23 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>chlorobenzene</td>
<td>108-90-7</td>
<td>EU ELV</td>
<td>STEL</td>
<td>15 ppm 70 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>bisphenol A; 4,4’-isopropylidenediphenol</td>
<td>80-05-7</td>
<td>TRGS 900</td>
<td>STEL CL</td>
<td>5 mg/m³</td>
<td>1</td>
<td>If in compliance with the OEL and BEL values, then there should be no risk of reproductive damage.</td>
</tr>
<tr>
<td>bisphenol A; 4,4’-isopropylidenediphenol</td>
<td>80-05-7</td>
<td>TRGS 900</td>
<td></td>
<td>10 mg/m³</td>
<td>2</td>
<td>Category II: substances with a resorative effect.</td>
</tr>
<tr>
<td>General limiting value of dust</td>
<td>TRGS 900</td>
<td></td>
<td></td>
<td>3 mg/m³</td>
<td>2</td>
<td>Category II: substances with a resorative effect.</td>
</tr>
</tbody>
</table>
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Colour: different according to colouration
Form: granular
Odour: odourless
Softening point: > 130 - 160 °C
Decomposition temperature: >= 380 °C
Density: ca. 1.2 - 1.4 g/cm³
Bulk density: 600 - 700 kg/m³
Water solubility: practically insoluble
Ignition temperature: > 450 °C

SECTION 10: STABILITY AND REACTIVITY

Hazardous reactions: No hazardous reactions observed.
Hazardous decomposition products: Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO₂ may be developed.
Thermal decomposition: Fumes evolved by overheating during improperly processing or by burning may be injurious to health.

SECTION 11: TOXICOLOGICAL INFORMATION

Under recommended processing conditions small amounts of emissions may occur.
The regulations for the substances listed below must be observed when processing this product, particularly if processing takes place at elevated temperatures.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>R-phrase(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>phenol</td>
<td>108-95-2</td>
<td>R68 Possible risk of irreversible effects.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R4/8/20/21/22 Harmful: danger of serious damage to health by prolonged exposure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>through inhalation, in contact with skin and if swallowed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R34 Causes burns.</td>
</tr>
<tr>
<td>chlorobenzene</td>
<td>108-90-7</td>
<td>R62 Possible risk of impaired fertility.</td>
</tr>
<tr>
<td>bisphenol A; 4,4’-</td>
<td>80-05-7</td>
<td>R37 Irritating to respiratory system.</td>
</tr>
<tr>
<td>Isopropylidenediphenol</td>
<td></td>
<td>R41 Risk of serious damage to eyes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R43 May cause sensitization by skin contact.</td>
</tr>
</tbody>
</table>

Additional information:
According to our experience and information the product has no harmful effects on health if properly handled.

SECTION 12: ECOLOGICAL INFORMATION

Do not allow to escape into waterways, wastewater or soil.
Further information on ecology:
The product is practically insoluble in water. In view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. The product is not readily biodegradable.
**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until “drip-dry”), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations. The product is suitable for mechanical recycling. After appropriate treatment it can be remelted and reprocessed into new moulded articles. Mechanical recycling is only possible.

**SECTION 14: TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15: REGULATORY INFORMATION**

Labelling According To EC-Regulations
Other data According to the Dangerous Preparations Directive (1999/45/EG): no labelling

**SECTION 16: OTHER INFORMATION**

This information relates only to the specific material designated and may not to be valid for such material used in combination with any other materials or in any process. Such information is given in good faith being based on the latest information available and is to the best and belief accurate and reliable at the time of preparation. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness and we assumes no responsibility and disclaims any liability incurred in using this information. The product is supplied under condition that the user accepts the responsibility to satisfy himself so as to the suitability and completeness of such information for his own particular use.