1. IDENTIFICATION OF THE SUBSTANCE, PREPARATION AND MANUFACTURER
Hollow Profile Sheet made of Polycarbonate
Cas #: E.I.M.P. dott. Gallina s.r.l.. Stradaignano 104, 10040 La Loggia (TO) – Italy

2. COMPOSITION/INFORMATION ON INGREDIENTS
Polycarbonate based on Bisphenol A

3. HAZARD IDENTIFICATIONS

| Emergency Overview | Sheets have almost no odor. Can burn in fire creating dense toxic smoke. If heated to melt-point the molten plastic can cause severe thermal burns. Secondary operations, such as grinding, sanding or sawing can produce dust, which may create a respiratory or explosion hazard. |

<table>
<thead>
<tr>
<th>(a) Potential Health Effects</th>
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<tbody>
<tr>
<td><strong>Eye Contact</strong></td>
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<tr>
<td><strong>Skin Contact</strong></td>
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<tr>
<td><strong>Ingestion</strong></td>
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<tr>
<td><strong>Inhalation</strong></td>
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<tr>
<td><strong>Chronic/Carcinogenicity</strong></td>
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<td><strong>Medical Restrictions</strong></td>
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4. FIRST-AID MEASURES

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Burns Burns by molten materials must receive medical attention. Do not try to remove melted PC from skin.

5. FIRE-FIGHTING MEASURES
Extinguishing materials: water spray is recommended due to its cooling capacity. Other materials such as extinguishing powder, CO₂, foam, dry powder are also possible. Firemen must wear self-contained breathing apparatus.

Flash Point Not applicable

Auto Ignition Temperature 630°C (1166°F) estimated

Lower Exposure Limit (%) Not established

Upper Exposure Limit (%) Not established

Hazardous Combustion By-Products Hazardous combustion by-products may include intense heat, dense black smoke, carbon monoxide, carbon dioxide and hydrocarbon fragments.

6. ACCIDENTAL RELEASE MEASURES
Sweep or gather up material mechanically.

7. HANDLING AND STORAGE
Ensure adequate ventilation or exhaust ventilation in the working area. Dust must be removed by effective exhaust ventilation. Avoid contact with PVC plasticizers (phthalates).

Store in a dry place away from moisture, excessive heat and sources of combustion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
No specific exposure related hazards are known. Wear protective gloves while handling sheets.

9. PHYSICAL AND CHEMICAL PROPERTIES
Form Hollow Plastic Sheet
Color Colorless or pigmented: Clear, Opal Ice, Bronze, Blue, Green, Grey and other
Odor Odorless
Softening Point 150-160°C (300-320°F)
Density 1200 kg/m³ at 20°C
Sheet 125-250 kg/m³
Vapor Pressure Not applicable
Viscosity Not applicable
Solubility in Water  Insoluble
pH Value  Not applicable
Flash Ignition Temperature  >450°C (842°F)
Self Ignition Temperature  >450°C (842°F)
Exposure Limit  Not applicable

10. STABILITY AND REACTIVITY

Thermal decomposition  Decomposition begins at 380°C (716°F).

Hazardous decomposition products  In cases of smoldering and incomplete combustion, toxic fumes mainly consisting of CO and CO₂ may develop as well as traces of Aliphatic and Aromatic Hydrocarbons, Aldehydes, Acids, Phenol and Phenol-derivatives.

Hazardous reactions  No hazardous reactions observed.

11. TOXICOLOGICAL INFORMATION

Eye  Product not considered as a primary eye irritant.

Skin  Product not considered as a primary skin irritant.
  Dermal LD₅₀ (rabbit) >2g/kg estimated.

Acute Oral  Oral LD₅₀ (rat) >5g/kg estimated.

12. ECOLOGICAL INFORMATION

Water  Water pollution class (WGK): 0 – not generally hazardous to water.

General  Not expected to present any significant ecological problems.

13. DISPOSAL CONSIDERATIONS

Recycle and Discharge  This product is suitable for mechanical recycling. After appropriate treatment it can be remelted and processed into new molded articles. Mechanical recycling is possible if the material has been selectively retrieved and carefully segregated according to type. May be discharged or incinerated together with household refuse if local official regulations are observed.

If material is released or spilled  Sweep or gather up material and place in proper container for disposal or recovery.


14. Transport Information

<table>
<thead>
<tr>
<th>Dot Hazard Class</th>
<th>Not regulated</th>
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<tr>
<td>Proper Shipping Name</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Identification Number</td>
<td>Not listed</td>
</tr>
<tr>
<td>Other information</td>
<td>Not dangerous cargo. Keep dry.</td>
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</table>

15. REGULATORY INFORMATION
No labeling required in accordance with the EEC directives.

In connection with dusts formed in consequence of mechanical treatment, e.g. grinding, the appropriate regulation/maxima values for fine dusts must be observed:
MAX Value (fine dust) 6mg/m³

This product does not contain reportable quantities of substances subject to supplier notification.

16. OTHER INFORMATION
The safety data sheet is valid for Polycarbonate (bisphenol-A-carbonate).

The trade names of the base resin are Makrolon of Bayer AG Germany and Lexan of General Electric Plastics B.V. Holland, and Calliber – Dow chemicals.

Pigments and additives used to enhance specific properties are encapsulated in the polymer resin matrix, and/or on the sheet surface.