

## Material Safety Data Sheet

### 1. Description of the substance/preparation and company

**Product details**

**Trade name:** Acrylic clear board/ sheet (Coated with environmental-friendly paint)

**Application of the substance:** clear boards/ sheets

**Manufacturer/Supplier:** Cgate UK Ltd.

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### 2. Components composition/information

**Description:** Mixture of substances listed below with additions

| Components                    | CAS Number | Approximate (%) by Weight or Vol. | Workplace Exposure Limit                 |  |
|-------------------------------|------------|-----------------------------------|--|--|
|                               |            |                                   | Long term (8-hour) ppm mg/m <sup>3</sup> | Short term (15-minute) ppm mg/m <sup>3</sup> |
| Polypropylene film            | 9003-07-0  | 2%                                | --                                       | --   |
| Polymethyl methacrylate(PMMA) | 9011-14-7  | 97%                               | --                                       | --   |

### 3. Hazard identification

**HMIS ratings (scale 0 - 4)**

|              |   |
|--------------|---|
| Health       | 1 |
| Flammability | 1 |
| Reactivity   | 1 |

**Hazard Rating:**

0 -Least; 1 – Slight; 2 – Moderate; 3 – High; 4 - Extreme

Health = 1; Fire = 1; Reactivity = 1

**Potential Health Hazards:**

**Inhalation:** Under normal conditions of use and handling no inhalation hazard exists. If dust or smoke from processing or burning is inhaled, it will cause slight irritation to respiratory system. Symptoms may include sneezing and coughing.

**Ingestion:** No hazard exists. It's impossible to swallow this product because of its size and shape.

**Contact with Eyes:** Under normal conditions of use and handling no inhalation hazard is expected. If dust or smoke from processing gets into the eyes, it may cause slight irritation.

**Contact with Skin:** No harm is caused to the skin under normal use.

**Effects of Overexposure - Chronic:** NA

**Carcinogenicity:** None

### 4. First aid measures

**Individuals using these products should consult a physician or other medical professional if an**

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**accident involving these products in injury. Specific first-aid measures are as follows:**

**Eye Contact:** In case of contact with the dust or smoke from processing or thermal decomposition, immediately raise eyelids and rinse eyes with plenty of lukewarm water for 5 minutes at least. Get medical attention immediately if things don't get better.

**Skin Contact:** If skin contacts with its thermal decomposition product, flush with plenty of water, then cover with a Soothing substance.

**Inhalation:** If dust or smoke from processing or thermal decomposition is absorbed, move to fresh air. If discomfort continues, get medical attention.

## 5. Fire-fighting measures

**Extinguishing Media:** No specific requirements of fire-fighting for this product. For surrounding fire, use dry chemical powder, water spray or alcohol-resistant foam.

**Special Fire Fighting Procedures:** Structural firefighters must wear self-contained breathing Apparatus and full protective equipment.

**Unusual Fire and Explosion Hazards:** If involved in a fire, these products may ignite or decompose. Products of thermal decomposition can include toxic substances (e.g .carbon oxide, carbon monoxide).

Explosion Sensitivity to Mechanical Impact: Not applicable.

Explosion Sensitivity to Static Discharge: Not applicable.

## 6. Accidental release measures

**Personal precautions:** Use proper personal protective equipment as indicated in Section 8. Keep unprotected persons away.

**Measures for Cleaning/Collection:** No special requirement of collection for this product.

**Additional Information:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. Handling and storage

**Handling:** Do not breathe vapors or smoke that may be evolved during processing. Workers must wear proper protective equipment and must operate strictly according to relative rules.

**Information about fire and explosion protection:** Keep ignition sources away-Do not smoke.

**Storage and requirements to be met by storerooms and receptacles:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

**Conditions to be avoided:** Store away from strong acids, toluene, acetone and ethylene dichloride.

**Further information about storage condition:** None.

## 8. Exposure controls/personal protection

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, smoke or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protective Equipment (for workers):**

**Protection of Hands:** Wear protective gloves and check them prior to each use for their proper condition.

**Protection of Eyes:** Wear tightly sealed goggles.

**Protection of Respiratory Tract:** Wear suitable respirator when high concentrations are present.

**Protection of Body:** Wear protective uniforms.

**General protective and hygienic measures:** Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

## 9. Physical and chemical properties

|   |
|---|
| <b>General Information</b>                                      |
| <b>Form:</b> Board/ sheet                                       |
| <b>Change in condition</b>                                      |
| <b>Melting point/Melting range:</b> 220°C~240°C(PMMA)           |
| <b>Boiling point/Boiling range:</b> Not available               |
| <b>Flash point:</b> Not available                               |
| <b>Self-igniting:</b> Product is not self-igniting              |
| <b>Danger of explosion:</b> Not applicable                      |
| <b>Vapor pressure:</b> Not applicable                           |
| <b>Evaporation rate:</b> Not applicable                         |
| <b>Solubility in/Miscibility with Water:</b> Insoluble in water |
| <b>PH-Value:</b> Not applicable                                 |
| <b>Viscosity:</b> Not applicable                                |
| <b>Dynamic:</b> Not applicable                                  |

## 10. Stability and reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Decomposition Products:** Products of thermal decomposition can include toxic substances (e.g. carbon oxides, carbon monoxide)

**Materials with which substance is incompatible:** Strong acids, toluene, acetone and ethylene dichloride.

**Hazardous Polymerizations:** Will not occur.

**Conditions to Avoid:** Avoid exposure or contact to extreme temperatures, incompatible chemicals.

## 11. Toxicological information

**Inhalation:** Under normal conditions of use and handling, no inhalation hazard exists. If dust or smoke from processing or burning is inhaled, it will cause slight irritation to respiratory system and symptoms may include sneezing and coughing.

**Ingestion:** No hazard exists. It's impossible to swallow this product because of its shape and size.

**Contact with Eyes:** Under normal conditions of use and handling, no inhalation hazard exists. If dust or smoke from processing or burning enters eyes, it will cause slight irritation.

**Contact with Skin:** No harm to skin under normal use.

**Effects of Overexposure - Chronic:** Not known.

**Carcinogenicity:** None.

## 12. Ecological information

**Ecotoxicological effects:** All work practices must be aimed at avoiding and eliminating environmental contamination.

**Effect of material on plants or animals:** This product is not anticipated to cause harm to plants and animals under normal use.

**Effect of material on plants or aquatic life:** This product is not anticipated to cause harm to an aquatic environment.

## 13. Disposal considerations

**Waste Disposal Methods:** When no longer needed, these articles may be disposed according to procedures of the local waste handling authority.

**General Notes:** Do not allow product to reach ground water, water course or sewage system when it is discarded. Disposal must be made according to official regulations.



FOR SIGNAGE AND DISPLAY  
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### 14. Transport information

**These products are not hazardous as defined by 49CFR 172.101 by the U.S. Department of Transportation.**

**Proper shipping name:** Not regulated

**Hazard class number and description:** Not applicable

**Packing Group:** Not applicable

**UN Identification:** Not applicable

**U.S. DOT:** Not applicable

**North American Emergency response guidebook number, 2000:** Not applicable

**Marine Pollutant:** No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172.101

### 15. Regulatory information

**TSCA 8 (b) Export Notification:** None

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus.

**California Proposition 65:** Not available.

**HMIS ratings (scale 0 - 4)**

|              |   |
|--------------|---|
| Health       | 1 |
| Flammability | 1 |
| Reactivity   | 1 |

**Hazard Rating:**

0 -Least; 1 – Slight; 2 – Moderate; 3 – High; 4 - Extreme

Health = 1; Fire = 1; Reactivity = 1

### 16. Other information

**DISCLAIMER:** The data contained herein is provided for information only and believed to be reliable. However, Cgate UK Ltd doesn't assume responsibility for any results obtained by persons whose methods are not controlled. It is the user's responsibility to determine the suitability of Cgate UK Ltd's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Cgate UK Ltd's products. Cgate UK Ltd further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

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