

## MATERIAL SAFETY DATA SHEET

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### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier: **BRILLBIRD BOND GEL**

1.2. Relevant identified uses of the mixture and uses advised against:  
cosmetic product, nail gel

1.3. Details of the supplier of the safety data sheet:

BRILLBIRD Europe Ltd.  
1135 Budapest, Jasz st. 15/a. Hungary  
tel.: 003630/506-8820  
e-mail: office@brillbird.eu

1.4. Emergency telephone number:

BRILLBIRD Europe Ltd., e-mail: office@brillbird.eu, tel.: 003630/506-8820 (office hours)  
International Emergency Phone Numbers: 1-352-323-3500 (call around the clock)  
Toxicological Information Service Hungary: 003680/201199 (call around the clock)

### 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

The mixture is classified as dangerous: irritative.  
The mixture's hazards on the man: irritating to eyes, respiratory system and skin.  
The mixture's hazards on the environment: -

2.2. Label elements:



Xi-irritative

**R 36/37/38** Irritating to eyes, respiratory system and skin.

**S 24/25** Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

**S 36/37** Wear suitable protective clothing and gloves

2.3. Other hazards: -

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS no.	EU no.	INCI name:	Classified:	R-phrase:	%
poliuretán akrilát oligomer	-	nincs	Di-Hema Trimethylhexyl Dicarbamate	Xi	R: 36/37/38	70-80
tetraethylene glycol dimethacrylate	109-17-1	203-653-1	PEG-4 Dimethacrylate	Xi	R: 36/38	10-15
trimethylolpropane trimethacrylate esters	3290-92-4	221-950-4	Trimethylolpropane Trimethacrylate	Xi	R: 36/37/38	5-10
hidroxy-ciklohexil fenil-ke-ton	947-19-3	213-426-9	Hydroxycyclohexyl Phenyl Ketone	Xi	R: 36/37/38	3-5
benzophenone	119-61-9	204-337-6	Benzophenone	-	-	0-1
D&C violet #2	81-48-1	201-353-5	CI 60725	-	-	0-1

### 4. FIRST AID MEASURES

**General:**

The injured person is removed from the endangered environment. The contaminated, soaked clothing should be removed immediately. Unconscious, injured or spastic condition Never give anything by mouth.

**Inhalation:**

The affected person to fresh air and keep at rest in. Medical care in case of complaint to be considered.

**Skin contact:**

Contaminated clothing should be removed. Rinse with water, then soap and water to the skin. In case of complaint, seek medical advice.

**Eye contact:**

Eye contact, immediately rinse with plenty of water for at least 15 minutes while pulling the eyelids apart with your fingers. In case of complaint, seek medical advice.

**Ingestion:**

One or two glasses of water to drink. Do NOT induce vomiting! Medical care must be used!

**5. FIREFIGHTING MEASURES**

**5.1. Extinguishing media:** use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.

**5.2. Special hazards arising from the substance or mixture:** High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.

**5.3. Advice for fire fighters:** full protective equipment, including self contained breathing apparatus is recommended.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions:** Unauthorized persons must be removed from the site. The skin, eyes and clothing, the drug inhalation, and ingestion should be avoided. See protective measures 7 and 8 points as well.

**6.2. Environmental precautions:** Spillage should be ensured that the product is not exposed to sewage, rivers, watercourses, groundwater and soil. Larger spill, the responsible authorities must be informed.

**6.3. Methods and material for containment and cleaning up:** Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

**7. HANDLING AND STORAGE**

**7.1. Handling:** Avoid contact with skin and eyes. Avoid breathing vapor. Keep container closed when not in use. Avoid prolonged exposure to light. Remove all contaminated clothing, shoes, belts and other leather goods immediately. Incinerate leather goods ( including shoes ). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential.

Most acrylic monomers have low viscosities, thus only needing room temperature conditions to facilitate proper pouring techniques. However, viscous type gels such as these may require heating to facilitate proper pouring techniques. To ensure that this happens, product may be heated to 60°C/140°F for not more than 24 hours. Do NOT use localized heat sources such as band heaters to heat/melt product. Do NOT use steam. Hot boxes or hot rooms are recommended for heating/melting material. The hot box and/or room should only be set to a maximum temperature of 60°C/140°F. Do not overheat, this may compromise product effectiveness and should be avoided. Refrain from multiple reheatings of product, this will also diminishing the quality of the product.

**7.2. Storage:** Product is extremely light sensitive. If exposed to natural light or UV light, material will cure very quickly. Store in a cool, dry place, away from heat and all types of light. Store at temperatures below 100°F/38°C but above the product's freezing point. If no freezing point is given, keep above 32°F/0°C at all times.

**7.3. Specific end use(s):** Spontaneous polymerization can occur. Although material is non-flammable please try to eliminate all ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Dike and recover large spills. Soak up small spills with inert solids (such as vermiculite, clay) and sweep/shovel into disposal container. Wash spill area with strong detergent and water solution; rinse with water, but minimize water use during cleanup. Do not flush to sewer!

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** Good general ventilation should be sufficient to control airborne levels in small quantity use. Local exhaust is recommended for bulk repackaging or continuous large quantity use.

### **Occupational exposure controls:**

The proper care is needed when working in preparation for clothing, eye, or. avoid skin contact. Normal conditions of use and use with adequate ventilation. During breaks and after work wash your hands.

### **Personal protective equipment (PPE):**

**Respiratory protection:** usually not necessary. However, inhalation of dusts and fumes should be avoided.

**Hand protection:** appropriate chemically resistant gloves (EN 374) is prolonged, direct contact, which corresponds to >480 minutes of penetration of, for example. nitrile rubber (0.4 mm), CR (0.5 mm). Wash when contaminated. If the punctured gloves inside, stained, respectively. the dirt can be removed, the glove should be treated as hazardous waste.

**Eye protection:** safety glasses with side shields (EN 166).

**Skin Protection:** wear appropriate protective clothing (EN 463).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties:

Appearance:	clear, viscous liquid
Odour:	characteristic acrylate odor
pH:	no data available
Boiling point:	no data available
Flash point:	100 °C
Explosive properties	no data available
Oxidising properties:	no data available
Vapour pressure:	0,01
Relative density:	1,14
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	no data available
Viscosity:	no data available
Vapour density:	no data available
Evaporation rate:	no data available

### 9.2. Other information: -

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity:** stable during normal use.

**10.2. Chemical stability:** stable during normal use.

**10.3. Conditions to avoid:** heat storage >100°F/38°C , exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

**10.4. Incompatible materials:** polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and string bases.

**10.6. Hazardous decomposition products:** may occur. Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects:

Acute oral toxicity: No information available

Acute dermal toxicity:	No information available
Acute inhalation toxicity:	No information available
Skin irritation:	No information available
Eye irritation:	No information available
Sub-chronic toxicity:	No information available
Sensitization:	No information available
Mutagenicity:	No information available
Reproductive toxicity:	No information available
Carcinogenicity:	No information available

**Acute effects:**

The product has no connection with the measured data. The product contains substances that are prolonged and repeated contact with a small skin lesion (erythema, swelling) can cause skin irritation.

**Sub-chronoc effects:**

There are no available measured data.

**12. ECOLOGICAL INFORMATION**

**12.1. Toxicity:**

Acute toxicity to fish:	no data available
Acute toxicity to invertebrates:	no data available
Acute toxicity to algae:	no data available

**12.2. Persistence and degradability:** no data available.

**12.3. Bioaccumulative potential:** no data available.

**12.4. Mobility in soil:** no data available.

**12.5. Results of PBT and vPvB assessment:** no data available.

**12.6 Other adverse effects:** no data available.

To the best of our knowledge, the ecotoxycological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

**13. DISPOSAL CONSIDERATIONS**

May be disposed of in a landfill or incinerated. Please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

**14. TRANSPORT INFORMATION**

UN number: -  
 UN proper shipping name: -  
 Transport hazard class: -  
 Packing group: -  
 Environmental hazards: -

**15. REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance),

- Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

#### 15.2. Chemical safety assessment: -

#### 16. Other information

##### List of relevant R phrases:

- R 36/38 Irritating to eyes and skin.
- R 36/37/38 Irritating to eyes, respiratory system and skin.

##### The manufacturer's recommended restrictions on use:

**The product is for professional use. The proper use of a product, please read the detailed preparation guide.**

This form of the manufacturer's 2010. 11. 08. provided on the original safety data sheets using the current 1907/2006 prepared in accordance with regulations.

The safety data sheet for the product usage instructions are not substitutes for certification (quality certification), can not be used to verify compliance.