



## MATERIAL SAFETY DATA SHEET

[According to Regulation (EC) No 1907/2006 of the European Parliament]

### Section 1: Identification of the preparation and of the company

#### 1.1. Identification of the substance or preparation

**Product name:**

**MASTER LED UV GEL- ALL KINDS**

#### 1.2. Use of substance/preparation

UV nail gel cured under LED lamp.

#### 1.3. Company/ undertaking identification

**Manufacturer:**

B-PRO Systems®

Triq il-Bacir il-Gdid

Paola PLA1501

**Telephone:**

www.bprosystems.com

**Website:**

[info@bprosystems.com](mailto:info@bprosystems.com)

**e-mail:**

#### 1.4. Emergency telephone

112 (emergency number)

### Section 2: Hazards Identification

#### 2.1. Classification of the substances or composition

##### ***Emergency overview:***

- May be slightly toxic.
- May cause moderate skin injury (reddening & swelling).
- May cause chemical burn in eye.

##### ***Environmental hazards:***

Product is not classified as dangerous for the environment.

#### 2.2. Labelling

##### ***Code letter and symbols of danger***



**Xi Irritant**

#### 2.3. Other hazardous

Not determined

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Version: 1.2.2./EN

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**Section 3: Composition/ Information of ingredients****3.1. Substance**

Not include

**3.2. Composition**

Chemical Identity and concentration range		CAS No	WE No	Hazard symbols
Urethane Acrylate Oligomer	35.0-45.0%	73324-00-2	N/E	<b>Xi</b> R:36/37/38
Urethane Methacrylate	30.0-40.0%	N/E	N/E	<b>Xi</b> R:36/37/38
Trimethylolpropane Trimethacrylate	15.0-25.0%	3290-92-4	203-806-2	<b>Xi</b> R:36/37/38
Tripropylene Glycol Diacrylate	6.0-10.0%	42978-66-5	256-032-2	<b>Xi</b> R:22; R:36/37/38; R:43; R:51/53;
Silica	3.0-5.0%	7631-86-9	231-545-4	<b>Xn, Xi</b> R:36/37/38; R:22
Benzoyl Isopropanol	1.0-3.0%	7473-98-5	N/E	<b>Xi</b> R:22, R:51/53
4-Benzoresorcinol	1.0-3.0%	84434-11-7	282-810-6	<b>Xi</b> R:36
Polyether Acrylate	0.0-0.1%	N/E	N/E	Brak
Dipropylene Glycol Diacrylate		57472-68-1	260-754-3	<b>Xn</b> R:22
Modified Polyester Acrylate		N/E	N/E	<b>Xi</b> R:36/37/38
Contains as well		CAS Nr	WE Nr	Hazard symbols
CI 74160	0.01-0.015%	147-14-8	205-685-1	<b>Xi</b> R:43
CI 51319	0.01-0.015%	6358-30-1	228-767-9	<b>Xi</b> R:43
CI 56110	0.01-0.1%	6535-46-2	229-440-3	<b>Xi</b> R:43
CI 15850	0.01-0.1%	5858-81-1	227-497-9	<b>Xi</b> R:43

Full text of R-phrases is provided in section 16.

**Section 4: First aid measures****First aid for skin:**

Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

**First aid for eye:**

Flush with plenty of water for 15 minutes and seek medical attention.

**First aid for ingestion:**

If appreciable quantities are swallowed, seek medical attention.

**First aid for inhalation:**

In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

**Section 5: Fire-fighting Measures****Extinguishing media:**

Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.

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### ***Fire fighting instructions:***

Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

### ***Unusual hazards:***

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.

## **Section 6: Accidental release measures**

### ***Spill or release procedures***

Spontaneous polymerization can occur. Eliminate 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 clean-up. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/

## **Section 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.

### **7.2. Storage**

Store in a cool place, away from heat and light. Store at temperatures below 100° F.

### **7.3. Specific use(s)**

Nail gel cured under led lamp.

## **Section 8: Exposure controls/ personal protection**

### **8.1. Exposure limit values**

The product composition has no components subject to control exposure in the work place.

### **8.2. Exposure controls**

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product .

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### **8.2.1. Occupational exposure controls**

#### ***Respiratory protection***

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by nuisance level organic vapor dust masks can be used, however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

#### ***Hand protection***

Wear impervious gloves (Neoprene).

#### ***Eye protection***

Wear chemical splash goggles

#### ***Skin protection***

Wear impervious clothes.

### **8.2.2. Environmental exposure controls**

Do not allow to enter large amounts of ground water, sewage, waste or soil.

## Section 9: Physical and chemical properties

### **9.1. General Information**

#### ***Appearance***

colours

#### ***Odor & Odor Threshold***

characteristic acrylate odor

### **9.2. Important health, safety and environmental information**

#### ***PH***

no data

#### ***Viscosity %***

no data

#### ***Decomposition/Temperature***

no data

#### ***Octanol/Water Partitioning Coefficient Log Po/w***

no data

#### ***Vapor Pressure:***

no data

#### ***Vapor Density***

no data

#### ***Evaporation Rate***

no data

#### ***Ignition***

no data

#### ***Solubility In Water (20°C)***

no data

#### ***Flash Point(°F/°C)***

no data

#### ***Flammable Limit(vol%)***

no data

#### ***Auto-ignition Temperature(vol%)***

no data

### **9.2. Other information**

No data.

## Section 10: Stability and reactivity

### **10.1. Conditions to Avoid:**

Storage > 100° F , exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

### **10.2. (Materials to Avoid):**

Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and string bases.

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### **10.3.Hazardous Decomposition Products:**

No data.

## Section 11: Toxicological information

<b><i>Acute Oral Toxicity</i></b>	No information available
<b><i>Acute Dermal Toxicity</i></b>	No information available
<b><i>Acute Inhalation Toxicity</i></b>	No information available
<b><i>Irritation – skin</i></b>	No information available
<b><i>Irritation – Eye</i></b>	No information available
<b><i>Sensitization</i></b>	N/DA
<b><i>Mutagenicity</i></b>	N/DA
<b><i>Sub-chronic Toxicity</i></b>	N/DA

## Section 12: Ecological Information

### **12.1. Ecotoxicity**

Harmful to aquatic organisms, May cause long term adverse effects in the aquatic environment..

### **12.2. Mobility**

No data.

### **12.3. Persistence and degradability**

No data.

### **12.4. Bioaccumulative potential**

Mobility in soil and water is low.

### **12.5. Results of PBT assessment**

Not include.

### **12.6. Other adverse effects**

Not tested.

## Section 13: Disposal considerations

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators responsibility to determine what is classified as a hazardous waste. Comply with all federal, state, and local regulations.

Dispose of dicing materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

## Section 14: Transport information

### **DOT (49 CFR 172)**

Proper Shipping Name:

Non-Regulated Material

Identification Number:

N/A

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Marine Pollutant: No  
 Special Provisions: None  
**Emergency Response Guidebook (ERG) #:** N/A  
**IATA (DGR):**  
 Proper Shipping Name: Non-Regulated Material  
 Class or Division: N/A  
 UN or ID Number: N/A  
 Packaging Instructions: None  
 Packaging Instructions: None  
**IMO (IMDG):**  
 Proper Shipping Name: Non-Regulated Material  
 Class or Division: N/A  
 UN or ID Number: N/A  
 Special Provisions & Stowage/Segregation: None  
**Emergency Schedule (EmS)#:** N/A

### Section 15: Regulatory information

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP and ODS's), as defined by the U.S. Clean Air Act: • Benzophenone, CAS# 119-61-9 (SOCMI)
Clean Water Act: Priority Pollutant	This product contains no chemicals listed under the U. S. Clean Water Act Priority Pollutant List.
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard. Its hazards are: • Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
RCRA	This product is not considered to be a hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 304 as extremely hazardous chemical for emergency release notification (" CERCLA" List)
SARA Title III: Section 311-312:	This product is considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: • Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
SARA Title III: Section 313:	This product contains no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements. None of the chemicals listed have a SNUR under TSCA..

#### International Regulations:

CDSL: Canadian Inventory (on Canadian Transitional List)	Titanium dioxide CAS # 13463-67-7 is on the DSL list. WHMIS = n/da Hydroxycyclohexyl phenyl ketone CAS #947-19-3 is on the DSL list. WHMIS = n/da Benzophenone, CAS #119-61-9 is on the DSL list. WHMIS = n/da Ethylene glycol dimethacrylate CAS #97-90-5 is on the DSL list. WHMIS = D2B.
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EINECS: European Inventory:

### Master Led UV Gel:

• HAZARD SYMBOLS: **Xi**: Irritant

- RISK PHRASES: **R22**: Harmful if swallowed, **R36**: Irritating to eyes, **R36/37/38**: Irritating to eyes, respiratory system and skin, **R43**: May cause sensitization by skin contact, **R51/53**: Harmful to aquatic organisms, May cause long term adverse effects in the aquatic environment.
- SAFETY PHRASES: **S3**: Keep in cool place, **S7**: Keep container tightly closer, **S9**: Keep container in a well ventilated place, **S16**: Keep away from sources of ignition - No smoking!, **S20**: When using do not eat or drink, **S37/39**: Wear suitable protective clothing and gloves.

## Section 16: Other information

### Full range of R-Phrases from Section 3.

- R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R43 May cause sensitization by skin contact.  
R51/53 Harmful to aquatic organisms, May cause long term adverse effects in the aquatic environment.

### S-Phrases

- S3 Keep in cool place.  
S7 Keep container tightly closer.  
S9 Keep container in a well ventilated place.  
S16 Keep away from sources of ignition - No smoking!.  
S20 When using do not eat or drink.  
S37/39 Wear suitable protective clothing and gloves.

## Disclaimer

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- Supply one copy of this form to each one of his own Customers for this product.
- Ask for these same Customers to inform in turn their own Employees and Customers.

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