

Material Safety Data Sheet

Briliant GEL

Section 1 - Identification of the Substance/Preparation and of the Company/Undertaking

Product Name: **Briliant Gel** MSDS#: KIG070901-PRG
 Chemical Name: **N/A**

MSDS Approval Date:	11/29/2000	MSDS Prepared by:	BSQ
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 Family: UV GELS GEL Type: **TYPE 1** Manufacturer: ABC International Sp. z o.o.
Ul. Odolańska 10 Warszawa 02-560
Emergency Phone Numbers: (0048)42 631 47 24
Information Contacts: (0048)228800455
 Product Use: NAIL GEL
Product# various

Section 2 - Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Polyurethane Acrylate Oligomer	Exempt	N/E	Di-Hema Trimethylhexyl Dicarbamate*	N/E	N/E	Not Listed	>93
Hydroxycyclohexyl phenyl ketone	947-19-3	213-426-9	Hydroxycyclohexyl phenyl ketone	N/E	N/E	Not Listed	<4
Benzophenone	119-61-9	204-337-6	Benzophenone	N/E	N/E	Not Listed	<2
D & C Violet #2	81-48-1	201-353-5	Violet 2/CI60725	N/E	N/E	Not Listed	<1
D&C Red # 7	5281-04-9	226-109-5	CI15850	N/E	N/E	Not Listed	<1
N/E - None Established N/R - Not Reviewed	N/DA - No Data Available N/A - Not Applicable	* See section 16					

Hazard Symbols: Xi *- NIOSH Exposure limits for Silicone Dioxide= 6 mg/m³ TWA, 3000 mg/m³ IDLH
 Risk Phrases: R20
 Safety Phrases: S24/25, S28A, S37, S45

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

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

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: No specific information available.

Eye: No specific information available. Contains materials that are essentially nonirritating, but contact may cause slight transient irritation.

Skin: No specific information available. Contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Prolonged contact may cause blister formation (burns). Since irritation may not occur immediately, contact can go unnoticed.

Ingestion: No specific information available. Contains materials that may be practically nontoxic.

Inhalation: No specific information available. Low volatility makes vapor inhalation unlikely. Aerosol can be irritating.

Sub-Chronic Effects: No specific information available. Limited tests showed no evidence of teratogenicity in animals. A lifetime skin painting study with mice showed no evidence of carcinogenicity.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 4 - First Aid Measures

First Aid for Eye: Flush eyes with water for 15 minutes, including under eyelids. If irritation continues, seek medical attention.

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First Aid for Skin Remove contaminated clothing and wash contact area with soap and water for 15 minutes.
 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.
 First Aid for Ingestion If appreciable quantities are swallowed, seek medical attention.

Section 5 - Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
>212 °F/100 °C Setaflash	No Data	No Data

Method:
 Extinguishing Media: Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.
 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. Absorb with inert material and dispose. Flush area with water; prevent washings from entering waterways.

Section 7 - Handling and Storage

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. When handling gel for product use, do not heat above 100°F/38°C or disassociation of silica in product may occur.
 Storage Store in a cool place, away from heat and light. Store at temperatures below 100°F/38°C.
 Explosion Hazard 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.

Section 8 - Exposure Controls / Personal Protective Equipment

Engineering Controls Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.
 Personal Protective Equipment
 General 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. Provide eye wash stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.
 Eye/ Face Protection Chemical splash goggles.
 Skin Protection Impervious gloves (Neoprene).
 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 these types of respirators are limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

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Section 9 - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Light ,amber/pink mobile liquid	characteristic acrylate odor	NA	(H2O=1) : 1.15	N/DA	By Volume : < 0.5

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
Not applicable	N/A	N/A	(mm Hg) @ 20 C : < 0.01	No Data	No Data	No Data	Insoluble

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
>212 °F/100 sC Setaflash	No Data	No Data

Section 10 - Stability and Reactivity

<p>Stability Normally Stable</p> <p>Hazardous Decomposition Products: Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.</p> <p>Conditions to Avoid: Storage > 100 ° F , exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.</p>	<p>Incompatibility (Materials to Avoid): Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron ,rust and string bases.</p> <p>Hazardous Polymerization: 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.</p>
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Section 11 - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
N/DA	N/DA	N/DA	N/DA	N/DA
Sensitization	Mutagenicity	Sub-chronic Toxicity		
N/DA	N/DA	N/DA		

Section 12 - Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
N/DA	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	N/DA
Chemical Oxygen Demand	N/DA

Section 13 - Disposable Considerations

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the genrators responsibility to determine what isclassified as a hazardous waste. Comply with all federal, state, and local regulations.
Material may be incinerated or use biological treatment in accordance with federal, state, and local regulations.

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Section 14 - Transport Information

DOT (49 CFR 172) Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
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
Emergency Response Guidance (ICAO)#:	N/A
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
Other Information:	Flash point >100°C

Section 15 - Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP's), as defined by the U. S. Clean Air Act: <ul style="list-style-type: none"> Benzophenone, CAS# 119-61-9 (SOCMI) This product does not contain any Class 1 or Class 2 ODS.
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 : <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.


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State Regulations

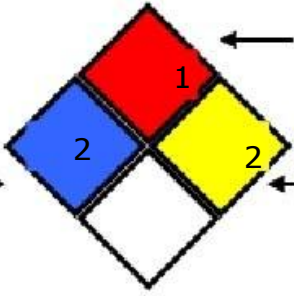
CA Right-to-Know Law:	NONE
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	None
NJ Right-to-Know Law:	None
PA Right-to-Know Law:	None
FL Right-to-Know Law:	None
MN Right-to-Know Law:	Benzophenone, CAS #119-61-9, None


International Regulations

CDSL: Canadian Inventory (on Canadian Transitional Lis)	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
EINECS: European Inventory: 	Perfection Refill Gel <ul style="list-style-type: none"> • Hazard Symbol Xi: Irritant • Risk Phrases: R20: Harmful by inhalation • Safety Phrases: S24/25: Avoid contact with skin and eyes, S28A: After contact with skin, wash immediately with plenty of water, S37: Wear suitable protective gloves, S45: In case of accident, or if you feel unwell, seek medical advise immediately (show the label where possible)

Section XVI - Other Information

Hazard Rating System (Pictograms)

NFPA:  Flammability
Health → Reactivity

HMIS: 

Approval Date: 11/29/2000

Product Number - various	
Revised Sections since Last Version:	Section Header Update and Section 2 content update.
04/30/08 Updated INCI name for Polyurethane Acrylate Oligomer. * Most ABC International gels are composed of oligomers made primarily from urethane methacrylates. ABC International is using the designation Di HEMA Trimethylhexyl Dicarbamate, the official INCI name of urethane dimethacrylate, which is substantially the equivalent of Polyurethane Acrylate Oligomer. OSHA PEL for nuisance dust: 15 mg/m ³ (total dust)	

5 mg/m³ (respirable dust)

ACGIH PEL for nuisance dust: 10 mg/m³

The information presented herein was obtained from sources considered to be reliable. However, this information is provided without any warranty, expressed or implied, regarding its correctness or suitability for consumers intended use and/or application. For this and other reasons, we assume no responsibility and expressly disclaim liability for loss, damage or expense arising out of any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared expressly for this product. Use the materials only as directed. If the product is used as a component of another product, the information contained within the MSDS may

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not be applicable. If one could have any concerns with or problems understanding this MSDS form, please direct all questions to INFOTRAC, Chemical Emergency Resources System at 1 (0048)42 631 47 24.