

## Material Safety Data Sheet

## COLOR GELS

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## Section 1 – Identification

Product Name: COLOR GELS

Manufacturer: ABC International Sp. z o.o.  
Ul. Odolańska 10 Warszawa 02-560

Chemical Name: N/A

Emergency Phone Numbers: (0048)42 631 47 24

Family: UV GELS

Information Contacts: (0048)228800455

Product Use: NAIL GEL

Product #: various

## Section 2 - 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 3 - Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure	Limits	Carcinogen	%
				OSHA TWA/STEL	ACGIH TWA/STEL		
Polyurethane Acrylate Oligomer	72869-86-84	276-957-5	Di-Hema Trimethylhexyl Dicarbamate*	N/E	N/E	Not Listed	70-80
Ethylene glycol dimethacrylate	97-90-5	202-617-2	Glycol HEMA-Methacrylate	N/E	N/E	Not Listed	20-30
Hydroxycyclohexyl phenyl ketone	947-19-3	213-426-9	Hydroxycyclohexyl phenyl ketone	N/E	N/E	Not Listed	3-5
Benzophenone	119-61-9	204-337-6	Benzophenone	N/E	N/E	Not Listed	3-5

## May Contain the following:

Please see Section 16 for additional compounds

\* See section 16

N/E - None Established

N/DA - No Data Available

N/R - Not Reviewed

N/A - Not Applicable

Polyurethane Acrylate Oligomer: Hazard Symbol: Xi Risk Phrases: R36/37/38 Safety Phrases: S3/7, S36/37, S62

Ethylene Glycol Dimethacrylate: Hazard Symbol: Xi Risk Phrases: R37, R43 Safety Phrases: S2, S24, S37

Hydroxycyclohexyl Phenyl Ketone: Hazard Symbol: Xi Risk Phrases: R36, R37, R38 Safety Phrases: S26, S37

Benzophenone: Hazard Symbol: Xi Risk Phrases: R36, R38 Safety Phrases: S26

See Section 16 for Risk and Safety Phrase Key

## Section 4 - First Aid Measures

First Aid for Eye Flush with plenty of water for 15 minutes and 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. 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/EC. Dispose and report per regulatory requirements if necessary. Please prevent washings from entering waterways.
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**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.
Storage	Store in a cool place, away from heat and light. Store at temperatures below 100° F.
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 Protection**

Engineering Controls	Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.
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**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	Wear chemical splash goggles.
Skin Protection	Wear 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 the respirator is 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
White, 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)
N/A	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°C Setofflash	No Data	No Data

## Section 10 - Stability and Reactivity

**Stability**

Normally Stable

**Hazardous Decomposition Products:**

Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

**Conditions to Avoid:**

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

**Incompatibility (Materials to Avoid):**

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

**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.

## Section 11 - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
No information available	No information available	No information available	No information available	No information available

Since this product contains a very low concentration of active components, the primary toxicological information is derived from the oligomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

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

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated.

Do not allow to enter drinking water supplies, wastewater, or soil

## 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 diking 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
Marine Pollutant:	No
Special Provisions:	N/A
Emergency Response Guidebook (ERG) #:	N/A

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<b>IATA (DGR):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	
<b>Emergency Response Guidance (ICAO)#:</b>	
<b>IMO (IMDG):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
<b>Emergency Schedule (EmS)#:</b>	
<b>Other Information:</b>	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 and ODS's), as defined by the U.S. Clean Air Act: <input type="checkbox"/> 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: <input type="checkbox"/> Immediate (acute) health hazard <input type="checkbox"/> Delayed (chronic) health hazard <input type="checkbox"/> Reactive hazard
RCRA	This product contains chemicals considered to be hazardous waste under RCRA (40 CFR 261): <input type="checkbox"/> Ethyl Acetate, CAS# 141-78-6: RCRA Code: U112
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 chemicals regulated under Section 302 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): <input type="checkbox"/> Ethyl Acetate CAS# 141-78-6, RQ (5000lbs.) <input type="checkbox"/> Butyl Acetate CAS# 123-86-4, RQ (5000lbs.)
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: <input type="checkbox"/> Immediate (acute) health hazard <input type="checkbox"/> Delayed (chronic) health hazard <input type="checkbox"/> 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.
TSCA Significant New Use Rule:	None of the chemicals listed have a SNUR under TSCA.

## State Regulations

CA Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Butyl Acetate CAS# 123-86-4
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7, Ethyl Acetate CAS# 141-78-6, Butyl Acetate CAS# 123-86-4
NJ Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7, Ethyl Acetate CAS# 141-78-6, Butyl Acetate CAS# 123-86-4
PA Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7, Ethyl Acetate CAS# 141-78-6, Butyl Acetate CAS#

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	123-86-4
FL Right-to-Know	Ethyl Acetate CAS# 141-78-6, Butyl Acetate CAS# 123-86-4
MN Right-to-Know	Benzophenone, CAS #119-61-9, Titanium Dioxide CAS #13463-67-7, Ethyl Acetate CAS# 141-78-6, Butyl Acetate CAS# 123-86-4

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. Ethyl Acetate CAS #141-78-6 is on the DSL list. WHMIS = B2, D2B Butyl Acetate CAS #123-86-4 is on the DSL list. WHMIS = B2, D1B, D2B
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Labeling according to EC directives – 1999/45/EC

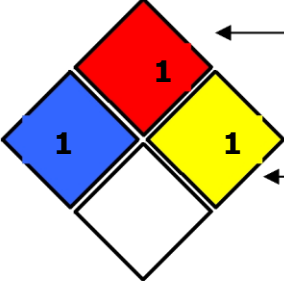
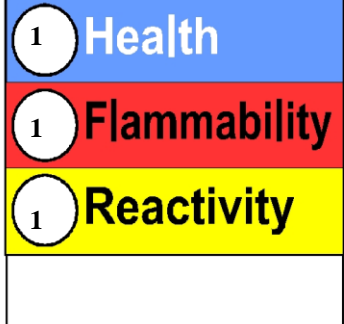
European Community: 	<b>Color Gels:</b> <input type="checkbox"/> HAZARD SYMBOLS: <b>Xi: Irritant</b> <input type="checkbox"/> RISK PHRASES: <b>R22: Harmful if swallowed, R36/38: Irritating to eyes and skin, R43: May cause sensitization by skin contact.</b> <input type="checkbox"/> SAFETY PHRASES: <b>S18: Handle and open container with care, S24/25: avoid contact with skin and eyes, S36/37: Wear suitable protective clothing and gloves, S38: in case of insufficient ventilation, wear suitable respiratory equipment.</b>
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Section 16 - Other Information

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

<b>Hazard Symbol:</b> Xi – Irritants
<b>Risk Phrases:</b> R36/37/38 Irritating to eyes, respiratory system and skin
<b>Safety Phrases:</b> S2 Keep out of the reach of children; S3/7 Keep container tightly closed in a cool place; S24 Avoid contact with skin; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S36/37 Wear suitable protective clothing and gloves; S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

Hazard Rating System (Pictograms)

<p>NFPA:</p>  <p>Health →</p> <p>← Flammability</p> <p>← Reactivity</p>	<p>HMIS:</p> 
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MSDS Prepared by:	BSQ
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Revision History:	11/29/2000 Initial Issue.
	09/21/2004 Overall format update and changes to section 2 & 16 % contents.
	11/08/2004 Overall format update and changes to section 2 & 16 % contents.
	01/10/2006 Update spelling in section 16.
	08/02/2007 Section one 1 format update.

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	03/14/2008 Updated section 16
	04/30/2008 Updated INCI name for Polyurethane Acrylate Oligomer. * Most ABC gels are composed of oligomers made primarily from urethane methacrylates. ABC is using the designation Di HEMA Trimethylhexyl Dicarbamate, the official INCI name of urethane dimethacrylate, which is substantially the equivalent of Polyurethane Acrylate Oligomer.
	09/16/2008 Updated section 16
	10/03/2008 Updated pigments in "May Contain" list
	10/22/2008 Updated format
	11/10/2008 Updated Risk and Safety Phrases
	03/03/2009 Added Bismuth Oxychloride to "may contain"
	03/09/2009 Updated EINECS number of Blue#1 in section 16
	03/18/2009 Updated to meet Globally Harmonized System requirements. Added the EU address to section 1. Switched location of section 2 with section 3. Changed the title in sections 1, 8, and 13. Moved MSDS preparation to section 16.
	03/27/2009 Updated the EC# for Red 34, Red 6, Yellow 5, and Mica. Removed Burnt umber from the May contains.

MAY CONTAIN THE FOLLOWING CHEMICALS:

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OS HA	%
Titanium Dioxide	13463-67-7	236-675-5	Titanium Dioxide/CI77891	15 mg/m3	10 mg/m3	3/no/no	0-1
Manganese Violet	10101-66-3	233-257-4	Manganese Violet/CI77742	N/E	N/E	Not Listed	0-1
FD&C Blue #1	3844-45-9	223-339-8	Blue 1/CI42090	N/E	N/E	Not Listed	0-1
FD&C Yellow #5	1934-21-0	217-699-5	Yellow 5/CI19140	ND/A	ND/A	Not Listed	0-1
Yellow Iron Oxide	51274-00-1	N/E	Iron oxides/CI77492	N/E	N/E	Not Listed	0-1
Raw Umber	1309-37-1	215-168-2	Iron oxides/CI77491	N/E*	N/E*	Not Listed	0-1
Red Iron Oxide	1332-37-2	215-570-8	Iron Oxide/CI77491	N/E*	N/E*	Not Listed	0-1
D&C Red #34	6417-83-0	229-142-3	Red 34/CI15880	N/E	N/E	Not Listed	0-1
D&C Red #7	5281-04-9	226-109-5	Red 7/CI15850	N/E	N/E	Not Listed	0-1
D&C Red #6	5858-81-1	227-497-9	Red 6/CI15850	N/E*	N/E*	Not Listed	0-1
Synthetic Red Iron Oxide (maroon)	1309-37-1	N/E	Iron Oxides/CI77491	N/E	N/E	Not Listed	0-1
D&C Orange No.4	633-96-5	211-199-0	Orange 4/CI15510	N/E	N/E	Not Listed	0-1
D&C Violet #2	81-48-1	201-353-5	Violet 2/CI60725	N/E	N/E	Not Listed	0-1
Mica	12001-26-2	310-127-6	Mica	N/E	3 mg/m	Not listed	0-1
Ferric Ammonium Ferrocyanide	25869-00-5	247-304-1	Ferric Ammonium Ferrocyanide /CI77510	N/E	N/E	Not Listed	0-1
D&C Yellow #10	8004-92-0	305-897-7	Yellow 10/CI47005/ E104	N/DA	N/DA	N/DA	0-1
Ultramarine Blue	57455-37-5	N/DA	Ultramarines/CI77007	N/DA	N/DA	N/DA	0-1
Iron Oxide Black	1317-61-9	215-277-5	Iron Oxide/CI77499	N/E*	N/E*	Not Listed	0-1
Carbon Black	1333-86-4	215-609-9	Carbon Black/CI77266	3.5 mg/m <sup>3</sup>	0.1 mg <sup>5</sup> PAH's/m <sup>3</sup> carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)	Group 2B / A-4 / Possible Select Carcinogen	0-1
Bismuth Oxychloride	7787-59-9	232-122-7 (I)	Bismuth Oxychloride/CI77163	N/E	N/E	Not Listed	0-1

N/E - None Established  
N/R - Not Reviewed  
N/DA—No Data Available  
N/A-Not Applicable

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