CHROMA GEL

MSDS # : JE03

Section 1 – Identification

Product Name : **Chroma Gel Bonder**

Manufacturer : **Beauty Hair Products Ltd**
34 Lumina Way,
Lumina Park
London, EN1 1FS

Chemical Name : N/A

Information Contacts **+44 (0) 208 3651300**

Family : UV GELS

Emergency Phone Numbers: **+44 (0) 208 3651300**

Product use : U/V Gel Bond

Product# : CG-A-B

Section 2 – Hazards Identification

EMERGENCY OVERVIEW

This information may be based on findings from related or similar materials.

- May be slightly toxic.
- May cause moderate skin injury (reddening & swelling).
- May cause irritation.

Potential Health Effects, Signs and Symptoms of Exposure :

Primary Route of Entry	No specific information is available for this product. Although, this product opposes only slight irriation concern with all routes of entry.
Eye	No specific information available. Contains materials that are essentially nonirritating, but contact may causeslight 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 notoccur 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.
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

Component	CAS No	% by Weight (approximate)
Dimethyl Ketone	67-64-1	98
Methacrylated Resin		1
Hydroxycyclohexyl phenyl ketone	947-19-3	1

Section 4 – First Aid Measures

First Aid for Eye	Flush with plenty of water for 15 minutes and retract eyelids often. Seek medical attention immediately.
First Aid for Skin	Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

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 detregent 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.

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 leath goods immediately. Incinerate leather goods (including shoes). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents shou 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 Most acrylic monomers have low viscosities, thus only needing room temperatur 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 heated to 60ºC/140ºF 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 60ºC/140ºF. 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. 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/38ºC but above the product's freezing point. If no freezing point is given, keep above 32ºF/0ºC at all times. Explosion Hazard High temperature and fire conditions may cause rapid and uncontrolled polymerization which can result in explosio and the violent rupture of storage vessels or containers.
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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.

Personal Protective Equipment

General	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that 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 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 use however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149

Section 9 – Physical and Chemical Properties

Physical state	Liquid
Color	Colorless
Odor	Pleasant, faintly, aromatic, sweetish
PH	Not available
Visvosity	Not available
Boiling Point	77 deg C
Solubility in water	Miscible
Specific Gravity/Density	0.9g/cm3

Section 10 – Stability and Reactivity

Stability
Normally Stable

Incompatibility (Materials to Avoid):
Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.

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

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.

Conditions to Avoid:
Storage >100°F/38ºC , exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

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 fron 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 ecotoxocological and chemical fate properties have not been thoroughly investigated.
Do not allow to enter drinking water supplies, wastewater, or soil

Section 13 – Disposial 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 inciner

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**
IATA (DGR):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	
Emergency Response Guidance (ICAO)#:	
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)#:	
Other Information:	**Flash point > 100ºC**

Section 15 – Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP), as defined by the U. S. Clean Air Act: · **NONE** This product contains no ODS's
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 othe 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 the following chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ. · **NONE**
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 Standar 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.

State Regulations

CA Right-to-Know Law: California No Significant Risk Rule:	NONE NONE
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know	NONE
MN Right-to-Know	NONE

Labeling according to EC directives – 1999/45/EC

European Community:

· HAZARD SYMBOLS: **Xi:** Irritant

· RISK PHRASES: **R22:** Harmful if swallowed, **R36/38:** Irritating to eyes and skin R43: May cause sensitization by skin contact.

· SAFETY PHRASES: **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.