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**SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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MSDS Name : Adhesive Remover (Liquid / Gel)

Company Distributor : Perfect Eyelashes Products – UB2 4NJ – United Kingdom

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**SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS**

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Component	CAS NO.	%by Weight(approximate)
Gamma Butyrolactone	96-48-0	< 85
Dimethylketone	67-64-1	>3
Ethyl alcohol	64-17-5	>1.5
Cellulose	9004-64-2	>10
Antibiotic Materials		>0.5

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**SECTION 3 – HAZARDS IDENTIFICATION**

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EMERGENCY OVERVIEW

Appearance : colorless liquid

Potential Health Effects

Eye : May cause eye irritation.

Skin : May cause skin irritation.

Ingestion : May cause digestive tract disturbances. The toxicological properties of this substance have not been fully investigated.

May be harmful if swallowed.

Inhalation : May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic : No information found.

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**SECTION 4 – FIRST AID MEASURES**

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Eyes : Flush eyes with plenty of water.

Skin : Flush skin with plenty of soap and water.

Ingestion : If victim is conscious and alert, give 2-4 cupful's of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation : Get medical aid immediately. Remove from exposure to fresh air immediately. if not breathing, give artificial respiration. if breathing is difficult, give oxygen.

Notes to Physician : Treat symptomatically and supportively.

Antidote : None reported.

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## **SECTION 5 – FIRE FIGHTING MEASURES**

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General Information : As in any fire, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media : In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Flash Point : 135 deg C

Auto ignition Temperature : 455 deg C (851.00 deg F)

Explosion Limits, Lower:3.60 vol %

Upper : 16.00 vol %

NFPA Rating : (estimated) Health : 1; Flammability : 1; Instability : 0

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## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks : Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

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## **SECTION 7 – HANDLING AND STORAGE**

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Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed. Store protected from moisture.

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## SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

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Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering control airborne levels.

Exposure Limits :

ACGIH : none listed

NIOSH : none listed

OSHA : none listed

Personal Protective Equipment

Eyes: Wear appropriate Protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Liquid

Appearance: Colorless

Odor: Mild Caramel odor

pH: Not available.

Vapor Pressure: 1.5hPa @ 20C

Vapor Density: 3.0

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point :90 deg C

Freezing/Melting Point: -45 deg C

Decomposition Temperature: Not available.

Solubility: Miscible.

Specific Gravity/Density: 1.1200g/cm<sup>3</sup>

Molecular Formula: C<sub>4</sub>H<sub>6</sub>O<sub>2</sub>

Molecular Weight: 86.09

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## SECTION 10 – STABILITY AND REACTIVITY

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Chemical Stability : Stable under normal temperatures and pressures.

Conditions to Avoid : Incompatible materials, strong oxidarits.

Incompatibilities with Other Materials : Strong oxidizing agents - strong acids - strong bases - strong reducing agents.

Hazardous Decomposition Products : Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization : Has not been reported.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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LD50/LC50 :

Dermal, guinea pig :LD 50 => 5gm/kg; Draize test,

rabbit, skin : 400 uL Severe : Inhalation, rat :LC50 =>5100 mg/m<sup>3</sup>/4H;

Oral, mouse: LD50 = 1460mg/kg; Oral, rat: LD50=1540 mg/kg.

Carcinogenicity : Butyrolactone-

IARC: Group 3 carcinogen

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

Other Studies:

None reported.

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## SECTION 12 – ECOLOGICAL INFORMATION

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No information available.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

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## SECTION 14 – TRANSPORT INFORMATION

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No information available.

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## SECTION 15 – REGULATORY INFORMATION

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Regulations of the European union (Labelling) / National legislation/Regulations  
EC-Number: 202-509-5  
as in Annex VI of Directive 67/548/EEC:

Hazard symbol(s)  
Xn Harmful.

R-phrase(s)  
R22 Harmful if swallowed.  
R41 Risk of serious damage to eyes.

S-phrase(s)  
S39 Wear eye/face protection.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

The labelling is based on our own experience.  
Hazard determinant component(s) for labelling: GAMMA-BUTYROLACTONE

Other regulations

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## SECTION 16 – OTHER INFORMATION

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Recommended use: fragrances, flavours, formulation agent, wood preservative, solvent(s), resinbound foundry cores, initial product for chemical syntheses

Recommended use: auxiliary, finishing agent

Recommended use: additives