

MATERIAL SAFETY DATA SHEET

Date of issue 08/01/2018 (rev.5)

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SECTION I PRODUCT AND MANUFACTURER INFORMATION					
Product Name		U-Bond™			
Application/Use		Dental Bonding Agent			
Manufacturer		Vericom Co., Ltd.			
Contact Address		15, Jeonpa-ro 62beon-gil, Manan-gu, Anyang-si, Gyeonggi-do, Republic of Korea			
Emergency Phone		82-31-441-2881			
SECTION II COMPOSITION/INFORMATION ON INGREDIENT					
Hazardous Ingredient		Concentration	CAS No.	Further Information	
4-Methacyloxyethyltrimellitic anhydride		10~30%	70293-55-9	None	
Hydroxyethyl methacrylate		2~5%	868-77-9	None	
Water		1~10%	7732-18-5	None	
Diurethane dimethacrylate		40~60%	72869-86-4	None	
SECTION III HAZARDS IDENTIFICATION					
Highly Flammable. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.					
SECTION IV FIRST AID MEASURES					
Eye Contact	Immediately flush eye with a large amount of water, get medical attention.				
Skin Contact	Wash immediately with soap and water.				
Ingestion	Give a large amount of water. Seek medical advice.				
Inhalation	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by professional.				
SECTION V FIRE FIGHTING MEASURES					
Flash Point (°C)	>100	Upper Explosion Limit	N/A	Lower Explosion Limit	N/A
Extinguishing Media	Water fog, CO ₂ , foam, dry chemical				
Unusual Fire and Explosion Hazard	Upon Combustion Irritating Gases may form				
SECTION VI ACIDENTAL RELEASE MEASURES					
Personal and Environmental Precautions	Not established				
Method for Cleansing	Wipe up by paper with alcohol in case of spilt.				
SECTION VII HANDLING AND STORAGE					
Handling Precaution	Avoid contact with eye and skin. Use suitable protective equipment.				
Storage Precaution	Avoid exposure to intense light and elevated heat, store in room temperature				
SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION					
Respiratory Protection	Use in good ventilated area	Eye Protection	Protective glasses		
Hand Protection	Latex Glove	Skin Protection	Lab coat		

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SECTION IX PHYSICAL/CHEMICAL PROPERTIES			
Appearance	Liquid	Boiling Point	N/A
Odor	Slightly Methacrylate odor	Vapor Pressure	N/A
Color	Yellow	Evaporation Rate	N/A
Density	1.0-1.1 g/cm ³	pH	< 3
Solubility in Water	Partial miscible		
SECTION X STABILITY AND REACTIVITY			
Stability	Stable under normal condition of storage and use		
Materials and Condition to Avoid	Heat and light		
Hazardous Decomposition Product	None		
SECTION XI TOXICOLOGICAL INFORMATION			
Acute Toxicity	Nontoxicity		
Skin contact	Contact with skin may cause burns ; Symptoms may include redness, blistering, and tissue destruction.		
Eye contact	Severe eye stimulation ; Symptoms may include redness, swelling, pains, tears, and fuzzy vision.		
Sensitization	Prolonged and repeated exposure may cause irritation.		
SECTION XII ECOLOGICAL INFORMATION			
No data available			
SECTION XIII DISPOSAL CONSIDERATION			
Waste Disposal Method	In accordance with government regulations		
SECTION XIV TRANSPORT INFORMATION			
Land (RID/ADR)	---		
Inland Waterways (ADNR)	---		
Sea (IMDG)	---		
Air (ICAO-TI/IATA-DGR)	---		
Product is not classified any transport regulations			
SECTION XV REGULATORY INFORMATION			
Medical device directive 93/42/EEC			
Regulation of KFDA			
SECTION XVI OTHER INFORMATION			
This MSDS is taken from raw material MSDS and manufacturer’s knowledge and experience. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.			