

SAFETY DATA SHEET


K-Bond Universal

SECTION 1. IDENTIFICATION

Product Name K-Bond Universal
Identified uses Dental Product, Adhesive. For dental professionals only.
Supplier

 SPIDENT Co.,Ltd.
Contact Person www.spident.co.kr
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SECTION 2. HAZARD(S) IDENTIFICATION

	Causes serious eye irritation	2A
	Skin Sensitization	1
	Skin Irritation	2
GHS Pictogram		
Signal Word	Danger	
	H315	May cause skin irritation.
	H317	May cause an allergic skin reaction.
	H319	May cause serious eye irritation.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary Statements	Prevention	
	P201	Obtain special instructions before use.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233	Keep container tightly closed.
	P280	Wear protective gloves and eye protection
	Response	
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTRE or doctor/physician.
	P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
	Storage	
	P403+P233	Store in a well-ventilated place. Keep container tightly closed.
	P403+P235	Store in a well-ventilated place. Keep cool
	Disposal	
	P501	Dispose of contents/container to in accordance with

		local/regional/national/international regulations.
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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EC No.	% by Wt
Bisphenol A glycerolate dimethacrylate	1565-94-2	216-367-7	15~40
2-Hydroxyethylmethacrylate	868-77-9	212-782-2	10~20
Camphorquinone	10373-78-1	233-814-1	0~5
Dimethylaminoethyl acrylate	2867-47-2	220-688-8	0~5

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

General Information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once.

Ingestion

Try to induce vomiting. Get medical attention if any discomfort continues.

Skin Contact

Wash the skin immediately with soap and water.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

SECTION 5. FIRE-FIGHTING MEASURES

Appropriate Extinguishing Media

To extinguish a fire caused by or related to this chemical, use alcohol-resistant foam, Carbon Dioxide (CO₂), or water spray. Use dry sand or soil to smother the fire.

Specific hazard arising from the chemical.

Smoke (fumes) can be produced due to pyrolysis or combustion process.

Advice for fire-fighters

Fire-fighters should wear appropriate protective equipment. Stay a safe distance away from the fire while extinguishing. If not dangerous, remove the container from the fire. To dispose of fire water, pour it into a spacious dug lot and make sure it is not spilled or scattered outward. If not dangerous, remove the container from the fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet.

Environmental Precautions

Do not allow to enter drains, sewers, or watercourses.

Spill Clean Up Methods

Extinguish all ignition sources. Avoid sparks, flames, heat, and smoking. Ventilate. Absorb in vermiculite, dry

sand or earth and place into containers.

Reference to other sections

For personal protection, see section 8.

SECTION 7. HANDLING AND STORAGE

Handling

All handling to take place in well-ventilated area.

Storage

Store in a cool, dark place (2-27°C, 35.6-80.6°F). Keep away from heat, direct sunlight, sparks, and open flames.

Storage Class

Chemical storage.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Engineering controls

Use in a well-ventilated area.

Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Safety glasses with side shields.

Skin/hand protection

Wear protective gloves.

Respiratory protection.

None required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Light yellow
Odor	No information available.
Solubility	No information available.
Boiling point(°C)	>=79
Melting point (°C)	Not available.
Flash point(°C)	Not available.
Relative density	1~ 1.2
Vapor density (air=1)	Not available.
Vapor pressure	Not available.
Evaporation rate	Not available.
pH-Value, Conc. Solution	Not available.
pH-Value, Diluted Solution	Not available.
Viscosity	Not available.
Decomposition temperature (°C)	Not available.
Odour Threshold, Lower	Not available.

Odour Threshold, Upper	Not available.
Auto Ignition Temperature (° C)	Not available.
Flammability Limit - Lower (%)	Not available.
Flammability Limit - Upper (%)	Not available.
Partition Coefficient (N-Octanol/Water)	Not available.
Explosive properties	Not available.
Other Flammability	Not available.
Oxidizing properties	Not available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity

This material is considered to be non reactive under normal use conditions

Stability

Stable under normal temperature conditions and recommended use.

Hazardous reactions

Hazardous polymerisation will not occur.

Conditions To Avoid

Keep away from heat, sparks and open flame. Protect against direct sunlight.

Materials To Avoid

Strong oxidizing agents.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects

Inhalation

No health effects are expected

Skin contact

Slightly irritating.

Eye contact

Slightly irritating.

Ingestion

Not available.

Acute toxicity:

Not available.

Respiratory or skin sensitization:

Respiratory sensitization

Not available.

Germ cell mutagenicity:

Not available.

Carcinogenicity:

IARC Carcinogenicity

Not listed

NTP - Carcinogenicity

Not listed.

OSHA - Carcinogenicity

Not listed.

Reproductive Toxicity:

Not available.

Specific target organ toxicity - single exposure:

STOT - Single exposure

Not available.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

Not available.

Aspiration hazard:

Not available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

No data available.

Degradability

No data available.

Bio accumulative potential

No data available on bioaccumulation.

Partition coefficient

Not available.

Mobility:

No information available.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14. TRANSPORT INFORMATION

UN No. (DOT/TDG)

N/A

UN No. (IMDG Code)

N/A

UN No. (ICAO TI/IATA DGR)

N/A

Proper Shipping Name

Not applicable.

Hazard Class

Not classified as a dangerous goods under transport

Hazard Label	regulations.
IATA Class	No DOT label requirement noted.
	Not classified as a dangerous goods under transport regulations.
IMDG Class	Not classified as a dangerous goods under transport regulations.
	Not classified as a dangerous goods under transport regulations.
ICAO Class	Not classified as a dangerous goods under transport regulations.
Transport Labels	No transport warning sign required.
Packing Group	Not applicable.
Environmentally Hazardous Substance	Not applicable
/Marine Pollutant	
Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes	Not applicable.

SECTION 15. REGULATORY INFORMATION

Follow the regulations of the KFDA
(Korea food & Drug Administration)

SECTION 16. OTHER INFORMATION

Revision Date
2024/04/04 (Rev.0)

Latest Issued Date
2024/04/04