

Dia-X Bond Universal Material Safety Data Sheet

1. PRODUCT AND MANUFACTURER INFORMATION

A. Product Name Dia-X Bond Universal

B. Recommended use of the product and restrictions

on its use

Recommend use of the product Universal dental bonding agent

C. Supplier Information (For imported goods, enter the information of the domestic supplier that can be

contacted urgently)

Name of Company DiaDent Group International

Address 16-gil Osong saengmyung 4-ro, Heungdeok-gu,

Chungbuk Cheongju

Emergency contact number 043-266-2315

2. HAZARDS IDENTIFICATION

the ingredients of the product.

B. Warning sign items including preventive action statements

Pictorial symbol







Signal words Danger(GHS08, GHS07, GHS02)

3. COMPOSITION/INFORMATION ON INGREDIENT

Names of ingredients	Synonym	CAS No.	Content (%)
10-MDP	10-Metacryloiloxydexyl dihydrogen phosphate	1207736-18-2	10~20
HEMA	2-Hydroxy ethyl methacrylate	86877-9	15~20
Bis[2-(methacrylolyoxy)ethyl]phosphat e	Bis(methacryloxyethyl)hydrogen phosphate	32435-46-4	1~2
3-(trimethoxysilyl)propyl methacrylate	3-(Methacryloyloxy)propyltrimethoxysilan e	2530-85-0	10~15
TMPTMA		3290-92-4	5~10
BisGMA/TEGDMA Monomer blend		1565-94-2	30~35
Polyethylene glycol dimethacrylate	PEGDMA	25852-47-5	3~5
Diphenyliodonium hexaflurophosphate		58109-40-3	0~0.5
CQ	(±)-camphorquinone	10373-78-1	1~2
ethyl alcohol	Ethanol	64-17-5	5~10
tert-butylhydroquinone		1948-33-0	0~0.2

4. FIRST AID MEASURES

A. When entered into eyes Seek medical attention.

In case of contact with substance, immediately wash skin and eyes with

running water for more than 20 minutes.

B. When contacted with skin Wash the skin with soap and water.

C. When inhaled Move to a place with fresh air. If you are not feeling well, consult a

doctor.

D. When consumed It does not occur in proper use.

E. Other medical precautions Have medical personnel perceive the material and take protective measures.

5. FIRE FIGHTING MEASURES

A. a suitable (improper) extinguishing agent Water fog, Dry powder, foam

B. specific hazards arising from chemicals Does not occur

6. ACIDENTAL RELEASE MEASURES

Absorb liquid and wash contaminated area with detergent and water.

7. HANDLING AND STORAGE

Safe handling and storage Use for only professional personnel.

Use sanitary gloves and tools at the place of treatment.

Do not consume or inhale the product.

Store at 2~27°C/35~80 Avoid direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

management air level below the exposure standard.

B. Personal protective equipments safety goggles and gloves

9. PHYSICAL/CHEMICAL PROPERTIES

A. External

Composition Liquid Color Clear Yellow B. Odor No data C. Odor Threshold No data D. pH 2.2±0.2 E. Melting point / Freezing point No data F. Initial boiling point and boiling point range No data G. Flash point No data H. Evaporation rate No data I. Flammability (solid, gas) No data J. Upper / lower limit of ignition or explosion No data No data K. Vapor pressure L. Solubility No data M. Vaport density No data N. density 1.26g/ml No data O. n-octanol / water partition coefficient P. Natural ignition temperature No data No data Q. Decomposition temperature No data R. Viscosity S. Molecular Weight No data

10. STABILITY AND REACTIVITY

A. Chemical Stability and Possibility of Hazardous Reaction

B. Conditions to avoid

Not applicable

Avoid direct light or water exposure. If exposed to light, yellowing may occur.

11. TOXICOLOGICAL INFORMATION

Oral mucosa irritation No significant clinical signs was observed(hamster).

Maximization Sensitization No significant clinical signs was observed.

Acute systemic toxicity No significant clinical signs was observed(Mouse).

Bacterial reverse mutation

No significant clinical signs was observed.

Mammalian erythrocyte micronucleus

No significant clinical signs was observed.

No significant clinical signs was observed.

Pyrogen

No significant clinical signs was observed.

12. ECOLOGICAL INFORMATION

No ecological problems to be anticipated if properly handled and used.

13. DISPOSAL CONSIDERATION

A. Disposal methods Dispose of contents container (according to applicable regulations).

14. TRANSPORT INFORMATION

A. UN No. Not a regulated substance.

DOT, ADR, IMDG, IATA

DOT, ADR, IMDG, IATA

C. Risk level in transportation
Not a regulated substance.

DOT, ADR, IMDG, IATA

D. Container level Not a regulated substance.

DOT, ADR, IMDG, IATA

E. Marine pollutants Not applicable.

F. Special safety measures required or required by the user to know regarding transport or means of transport

Protect from water, heat or light.

Product is not classified as a dangerous good for transport.

15. REGULATORY INFORMATION

The product is a medical device according to the EC-directive 93/42/EEC.

This product is classified as a medical device under KFDA, FDA.

This product does not require classification as Dangerous Goods.

16. OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.

A. Date of initial preparation 2021-07-26

B. Number of revisions and date of final revision

Number of revisions (

Date of final revision 2021-07-26

C. Others

 \bigcirc The Material Safety and Health Data (MSDS) is edited and partially modified based on the MSDS provided by the Korea Occupational Safety and Health Agency.