

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Xs-Fil A1, A2, A3, A3.5, OA2, OA3, TW

COMPANY: B&E Korea Co., Ltd.

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SECTION 2. COMPOSITION AND INFORMATION OF INGREDIENTS

Ingredients	% by Wt	CAS. No.
Urethane dimethacrylate	10-20	72869-86-4
BPE 80N	10-20	41637-38-1
Ba Glass	60~80	silanted dental glass
Other Ingredients determined		
Not to be hazardous	to 100	

SECTION 3. HAZARDS IDENTIFICATION

Physical Form: Paste

Odor / color: Odor free / yellowish color

Grade of reagents: Ingredients determined not be hazardous by the KFDA

SECTION 4. FIRST AID MEASURES

General advice: Take off contaminated clothes and shoes immediately, and then consult with a medical specialist if necessary.

Inhalation: In case of inhalation, immediately consult with a medical specialist.

Skin contact: Wash off immediately with soap and enough water, and then consult with a dermatologist.

Eye contact: Rinse the eyes immediately with enough water, and then pour clean water into the eyelids more than 15 minutes, and then consult with an ophthalmologist.

Ingestion: None expected under normal use conditions

Summary of Chronic Hazards: None Known

Carcinogenicity: Not carcinogenic in long term animal studies.

Teratogenicity: None Known

Mutagenicity: None Known



Reproductive Toxicity: None Known

SECTION 5. FIRE FIGHTING MEASURES

Stability: Stable

Conditions to avoid: Heat

Hazardous Polymerization: No possibility of occurrence

Fire Extinguishing Media: water, foam, and dry powder

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions: No special measures necessary

Methods for cleansing: Sweep up and wash the contaminated place with a proper absorbent

SECTION 7. HANDLING AND STORAGE

Handling and Storage Precautions:

Store under the condition of keeping tightly capped

Store in a cool, dry place

Avoid the exposure of flames, heat, and light

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Advice: Harmless to human body

Personal Protection: Safety glasses and rubber gloves

Hygiene Measure: Handle in accordance with safety practice

Do not eat

SECTION 9. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Evaporation Rate: N/A

Flash Point: N/A

Odor: Odorless

Solubility in Water: Insoluble

Appearance: Paste

Sensibility of light: very sensitive (polymerization)

(* It is dental material which is used in oral cavity in dentistry. It is not required a flash point test.)

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal use conditions

Hazardous polymerization: Will not occur without light

SECTION 11. TOXICOLOGICAL INFORMATION

Agar overlay test: 0 ~ 1 (none ~ mild)

Systemic toxicity test: No biological harm (tested with mice)

Oral mucous irritant test: Redness, edema have not been detected (tested
with hamsters)

Endotoxin test: Suitable for Endotoxin limit

SECTION 12. ECOLOGICAL INFORMATION

No data available

SECTION 13. DISPOSAL CONSIDERATION

Contaminated products: Must be disposed of in accordance with company
regulations

SECTION 14. TRANSPORT INFORMATION

Information: No danger for transport, Avoid heat and light

Air – This product is NOT classified as dangerous for IATA

Transport

SECTION 15. REGULATORY INFORMATION

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

SECTION 16. OTHER INFORMATION

The information in this Safety Data Sheet is believed as to be correct as of the date issued. It is stated only as guidance for safe handling, use, processing, storage, transport, and disposal. Thus, it is not to be considered a warranty or representation for which B&E Korea Co., Ltd. takes any kind of legal responsibilities. B&E Korea Co., Ltd. takes no legal responsibility for any damages stemming from the misuse or mishandling of this product.