


SAFETY DATA SHEET

FLUOROSEAL

SECTION 1. IDENTIFICATION

Product Name	FLUOROSEAL
Identified uses	Light-cured Cavity Liner. Dental material for use by dental professional only.
Supplier	 SPIDENT Co.,Ltd. www.spident.co.kr
Contact Person	203&312, Korea Industrial Complex, 722, Gojan-Dong, Namdong-Gu,
Manufacturer	Incheon, Korea 405-821 Tel : +82) 32-821-0071 Fax : +82) 32-821-0074

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Classification	Skin Irritation	2
	Skin Sensitization	1
	Eye Irritation	2A
	Specific Target Organ Toxicity -Single Exposure	3
GHS Pictogram		
Signal Word	Warning	
Hazard Statements	H315	May cause skin irritation
	H317	May cause an allergic skin reaction.
	H319	May cause serious eye irritation.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
Precautionary Statements	Prevention	
	P261	Avoid breathing vapor.
	P264	Avoid breathing dust/fume/gas/mist/vapors/spray.
	P271	Use only outdoors or in a well-ventilated area.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P280	Wear protective gloves and eye protection
	Response	
	P302+P352	If on skin, wash with plenty of soap and water.
	P304+P340	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P332+P313	IF SKIN irritation occurs: Get medical advice/attention.

	P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
	P362+P364	Take off contaminated clothing and wash it before reuse.
	P321	Specific treatment reference to supplemental first aid instruction. Manufacturer/ supplier or the competent authority may specify a cleansing agent if appropriate.
	P337+P313	IF eye irritation persists: Get medical advice/attention.
	Storage	
	P403-P233	Store in a well-ventilated place. Keep container tightly closed.
	Disposal	
	P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EC No.	% by Wt
Methacrylated phosphate	24599-21-1	246-342-6	5~20
Hydroxyethyl methacrylate	868-77-9	212-782-2	5~20

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

General Information

May be irritating to eyes, respiratory system, skin. Prolonged or repeated contact with methacrylate may cause sensitization. Show this safety data sheet to medical personnel. Get medical attention in case of uncertainty.

Inhalation

Move the exposed person to fresh air at once.

Ingestion

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

Skin Contact

Take off contaminated clothing. Wash skin thoroughly with soap and water for 15 minutes

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.

Most important symptoms and effects, both acute and delayed

Ingestion

Slightly irritating. (DIGESTIVE SYSTEM.)

Skin Contact

Slightly irritating. May cause sensitization by skin contact.

Eye Contact

Slightly Irritating.

Indication of any immediate medical attention and special treatment needed

Notes To the Physician

CAUTION! First aid personnel must be aware of own risk during rescue! Wear suitable protective clothing.

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.

Special Protective Equipment & Precautions for Freighters

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

Ventilate area. Wear safety glasses, gloves, and lab coat.

Environmental Precautions

Contain spilled material. Follow all government regulations.

Spill Clean Up Methods

Absorb or wipe up spill with paper towels or cloths. Collect for disposal in a covered container. Wash area of spill with alcohol or soap and water.

SECTION 7. HANDLING AND STORAGE

Handling

All handling to take place in well-ventilated area.

Storage

Store in a cool, dark place (0-25°C, 32-77°F). Keep away from heat, direct sunlight, sparks and open flames.

Specific end use(s)

Dental material

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

In case of inadequate ventilation use suitable respirator.

Hand Protection

Wear protective gloves.

Eye Protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Paste	Paste
Color	Yellow White
Odor	No information available.
Solubility	No information available.
Initial boiling point and boiling range	Not available.
Melting point (°C)	Not available.
Relative density	>1
Vapor density (air=1)	Not available.
Vapor pressure	< 1 mm Hg / 133 Pa / Id: B
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.
Flash point	>100°C.
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

May polymerize.

Stability

Stable under normal temperature conditions and recommended use.

Hazardous reactions

Not available.

Conditions To Avoid

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

Materials To Avoid

Strong oxidizing agents.

Hazardous Decomposition Products

Toxic gases are generated when heated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Not available.

Skin Corrosion/Irritation:

Slightly irritating.

Serious eye damage/irritation:

Slightly Irritating.

Respiratory or skin sensitization:

Respiratory sensitization

Not available.

Skin sensitization

May cause sensitization by skin contact.

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

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

Not available.

Aspiration hazard:

Viscosity

Not available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

No data available.

Degradability

No data available.

Bioaccumulate 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

Not known.

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	No classification noted.
Hazard Label	No DOT label requirement noted.
IATA Class	Not classified as a dangerous goods under transport regulations.
IMDG Class	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)

Follow the regulations of the CE
(Communaute Europeenne)

Follow the regulations of the FDA 501 (k)
(Food & Drug administration)

SECTION 16. OTHER INFORMATION

Revision Date
2025/08/06 (Rev.0)

Latest Issued Date
2025/08/06 (Rev.0)