



SimpliShade Self-Adhesive Flow

Safety Data Sheet

1. Identification

Product name: SimpliShade Self-Adhesive Flow
Recommended use: Dental product
Restrictions on use: None known
Manufacturer: Kerr Corporation
 1889 W. Mission Blvd.
 Pomona, CA 91766 - USA
 T 1-800-841-1428
safety@envistaco.com
Emergency number: (Chemical Spills, Leaks, Fire, Exposure or Accident only):
 CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)
Issue date: 01/05/2024

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Not classified	Skin corrosion/irritation Category 2 Eye irritation Category 2 Skin sensitization, Category 1 Reproductive toxicity Category 1B

GHS US labeling:

Danger!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H360 - May damage fertility or the unborn child (oral)	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust, vapors. P264 - Wash hands thoroughly after handling. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear eye protection, protective gloves. P308+P313 - If exposed or concerned: Get medical advice/attention. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.
 P302+P352 - If on skin: Wash with plenty of soap and water.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P405 - Store locked up.
 P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Ytterbium Trifluoride	13760-80-0	4 – 12
2-Hydroxyethyl methacrylate	868-77-9	5 – 10
Glyceryl dimethacrylate	1830-78-0	2 – 7
Urethane dimethacrylate	72869-86-4	3 – 7
Pyrogenic (Fumed) Amorphous Silica	68909-20-6	0.5 – 7
Oxybenzone	131-57-7	0.1 – 1
Ethylhexyl dimethyl paba	21245-02-3	0.1 – 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Move the affected person to fresh air. Get medical attention if symptoms occur.

Skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Call a poison center or a doctor if you feel unwell.

Symptoms/effects: May cause moderate irritation to the eyes. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation. This product may cause reproductive harm and/or developmental effects.

Immediate medical attention and special treatment, if necessary: Not required.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

Fire hazard: This product is not classified as flammable or combustible.

Special protective equipment and precautions for fire-fighters: Cool down the containers exposed to heat with a water spray. Do not allow run-off from firefighting to enter drains or water courses. Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Do not breathe dust. Do not breathe vapors. Ventilate area.

Methods and material for containment and cleaning up: Stop leak if safe to do so. Do not touch or walk on the spilled product. Absorb and/or contain spill with inert material, then place in suitable container. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Avoid breathing dust, vapors. Ensure adequate ventilation. Wash hands with water and soap.

Storage conditions: Store in dry, cool, well-ventilated area. Keep container tightly closed.

8. Exposure controls/personal protection

Exposure guidelines:	
2-Hydroxyethyl methacrylate	None established.
Glyceryl dimethacrylate	None established.
Urethane dimethacrylate	None established.
Oxybenzone	None established.
Ethylhexyl dimethyl paba	None established.
Ytterbium Trifluoride	2.5 mg/m ³ TWA OSHA PEL; 2.5 mg/m ³ TWA ACGIH TLV;
Pyrogenic (Fumed) Amorphous Silica	20 mppcf TWA OSHA PEL;

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear impervious gloves. Consult supplier for specific recommendations.

Eye protection: Wear safety goggles or other eye protection to prevent eye contact.

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Appearance: Paste.

Physical state	: Liquid	Melting point	: Not applicable
Color	: Various colours	Freezing point	: No data available
Odor	: Fruity Ester	Boiling point	: No data available
Odor threshold	: No data available	Flash point	: No data available
pH	: No data available		

Relative evaporation rate (butyl acetate=1)	: No data available	Auto-ignition temperature	: No data available
Flammability	: Not applicable.	Decomposition temperature	: No data available
Vapor pressure	: No data available	Viscosity, kinematic	: No data available
Relative vapor density at 20°C	: No data available	Viscosity, dynamic	: No data available
Relative density	: 1.9	Explosion limits	: No data available
Solubility	: Insoluble in water.	Explosive properties	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available	Oxidizing properties	: No data available

No additional information available

10. Stability and reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Avoid high temperatures.

Incompatible materials : Oxidizing agents, reducing agents, acids, bases.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Inhalation: May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin: May cause moderate irritation. May cause an allergic skin reaction.

Eyes: May cause moderate irritation, including burning sensation, tearing, redness or swelling.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms: This product may cause reproductive harm and/or developmental effects.

Carcinogenicity:	Not classified
2-Hydroxyethyl methacrylate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Glyceryl dimethacrylate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Urethane dimethacrylate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Oxybenzone:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Ethylhexyl dimethyl paba:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Ytterbium Trifluoride:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Pyrogenic (Fumed) Amorphous Silica:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Germ cell mutagenicity:	Not classified
Reproductive toxicity:	May damage fertility or the unborn child (oral).
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Numerical measures of toxicity:**The following are the toxicity values for the components:**

2-Hydroxyethyl methacrylate	5564 mg/kg bodyweight LD50 oral rat; > 5000 mg/kg bodyweight LD50 dermal rabbit
Glyceryl dimethacrylate	No data available
Urethane dimethacrylate	> 5000 mg/kg LD50 oral rat; > 2000 mg/kg LD50 dermal rat
Oxybenzone	> 12800 mg/kg LD50 oral rat; > 16000 mg/kg LD50 dermal rabbit
Ethylhexyl dimethyl paba	14900 mg/kg LD50 oral rat
Ytterbium Trifluoride	> 2000 mg/kg LD50 oral rat
Pyrogenic (Fumed) Amorphous Silica	> 5000 mg/kg LD50 oral rat; > 2000 mg/kg LD50 dermal rabbit
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause an allergic skin reaction.
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

12. Ecological information

Ecology - general: Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Ecotoxicity:

2-Hydroxyethyl methacrylate	> 100 mg/l Oryzias latipes (Ricefish) LC50 - Fish [1]; 380 mg/l Daphnia magna (Water flea) EC50 - Crustacea [1]; 836 mg/l Pseudokirchneriella subcapitata EC50 72h - Algae [1]; 24.1 mg/l Daphnia magna (Water flea) NOEC (chronic)
Urethane dimethacrylate	10.1 mg/l Danio rerio (Zebrafish) LC50 - Fish [1]; > 1.2 mg/l Daphnia magna (Water flea) EC50 - Crustacea [1]; > 0.68 mg/l Desmodesmus subspicatus EC50 72h - Algae [1]
Oxybenzone	3.8 mg/l Oryzias latipes (Ricefish) LC50 - Fish [1]; 0.67 mg/l Pseudokirchneriella subcapitata ErC50 algae; 1.87 mg/l Daphnia magna (Water flea) EC50 - Crustacea [1]; 0.41 mg/l Pseudokirchneriella subcapitata EC50 72h - Algae [1]

Pyrogenic (Fumed) Amorphous Silica > 10000 mg/l Brachydanio rerio (zebra-fish) LC50 - Fish [1]

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional waste regulation: Dispose of in accordance with applicable federal, state, and local regulations.

14. Transport information

Department of Transportation (DOT)

Not regulated for transport

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

15. Regulatory information

SARA Section 313 - Emission Reporting:

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CERCLA Section 103:

This product is not subject to reporting under CERLCA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

INTERNATIONAL INVENTORIES

Canada DSL: One or more ingredient(s) are not listed

16. Other information

Issue date : 01/05/2024

NOTICE

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.

Signature Manifest

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All dates and times are in Pacific Standard Time.

SimpliShade self-adhesive Flow

01. Collaboration (SDS Admin & Approvers)

Name/Signature	Title	Date	Meaning/Reason
Sonia Carrillo (SONIA.CARRILLO)	CHEMIST RESEARCH	20 Feb 2024, 03:47:15 PM	Complete
Tina Tedder (TINA.TEDDER)	SCIENTIST	20 Feb 2024, 03:47:33 PM	Complete

02. Approve (SDS Approvers)

Name/Signature	Title	Date	Meaning/Reason
Tina Tedder (TINA.TEDDER)	SCIENTIST	20 Feb 2024, 03:47:52 PM	Approved

03. Oracle (SDS Section 14 Updated - DOC CONTROL)

Name/Signature	Title	Date	Meaning/Reason
Justin Kim (JUSTIN.KIM)	MANAGER	21 Feb 2024, 04:14:20 PM	Reviewed
Sonia Carrillo (SONIA.CARRILLO)	CHEMIST RESEARCH	21 Feb 2024, 04:18:15 PM	Reviewed

04. Web Publishing & Closure (SDS Admin)

Name/Signature	Title	Date	Meaning/Reason
Sonia Carrillo (SONIA.CARRILLO)	CHEMIST RESEARCH	21 Feb 2024, 04:18:27 PM	Approved

05. Notification (Distribution List)

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