



# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878  
Issue date: 06/09/2023

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : SimpliShade Bulk Fill

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Dental material

##### 1.2.2. Uses advised against

Restrictions on use : None known

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Kerr Corporation  
1717 W. Collins Ave.  
Orange, CA 92867-5422  
T 1-800-841-1428  
[safety@envistaco.com](mailto:safety@envistaco.com)

##### Supplier

Kerr Italia, S.r.L.  
Via Passanti, 174  
Scafati (SA) 84018, Italy  
T +39 081 850 3511  
[safety@envistaco.com](mailto:safety@envistaco.com)

#### 1.4. Emergency telephone number

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)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin sensitisation, category 1B H317

Reproductive toxicity, Category 1B H360

Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

May damage fertility or the unborn child. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Signal word (CLP)	: Danger
Contains	: Ethyl 4-dimethylaminobenzoate
Hazard statements (CLP)	: H317 - May cause an allergic skin reaction. H360 - May damage fertility or the unborn child (if swallowed). H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves. P308+P313 - IF exposed or concerned: Get medical advice/attention. P302+P352 - IF ON SKIN: Wash with plenty of water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage. P405 - Store locked up. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Extra phrases	: The product is seen as a medical device (Directive 90/385/EEC, 98/79/EC) and therefore not subject to labelling (EU-regulation 1272/2008, article 1, paragraph 5d). A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0,1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zirconium Silicate	CAS-No.: 10101-52-7	30 – 65	Not classified
Urethane dimethacrylate	CAS-No.: 72869-86-4 EC-No.: 276-957-5	5 – 15	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Ethoxylated bisphenol A dimethacrylate	CAS-No.: 41637-38-1 EC-No.: 609-946-4	5 – 10	Aquatic Chronic 4, H413
Ethoxylated bisphenol-A-dimethacrylate	CAS-No.: 56744-60-6 EC-No.: 260-363-8	1 – 5	Aquatic Chronic 4, H413
Triethylene glycol dimethacrylate	CAS-No.: 109-16-0 EC-No.: 203-652-6	0.5 – 1.5	Skin Sens. 1B, H317
Butylated Hydroxytoluene	CAS-No.: 128-37-0 EC-No.: 204-881-4	0.1 – 1	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
Oxybenzone	CAS-No.: 131-57-7 EC-No.: 205-031-5	0.1 – 1	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl 4-dimethylaminobenzoate	CAS-No.: 10287-53-3 EC-No.: 233-634-3	0.25 – 0.5	Repr. 1B, H360 Aquatic Chronic 2, H411

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove the victim into fresh air. Get medical attention if symptoms occur.
First-aid measures after skin contact	: Gently 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.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.
First-aid measures after ingestion	: Do NOT induce vomiting. Drink large quantities of water, milk, or several ounces of milk of magnesia. Contact a poison center.

#### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: Dust may cause irritation in skin folds or by contact in combination with tight clothing. May cause an allergic skin reaction.
Eyes	: Direct contact with the eyes is likely to be irritating.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: This product may cause reproductive harm and/or developmental effects.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: This product is not classified as flammable or combustible.
Hazardous decomposition products in case of fire	: Thermal decomposition generates: Carbon oxides (CO, CO <sub>2</sub> ). Nitrogen oxides. Metallic oxides.

#### 5.3. Advice for firefighters

Firefighting instructions	: Prevent runoff from entering water courses, sewers and basements.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Do not breathe dust.
------------------	---

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Do not touch or walk on the spilled product. Avoid breathing dust. Only qualified personnel equipped with suitable protective equipment may intervene.
----------------------	--

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Do not touch or walk on the spilled product.  
 Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
 Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Wear personal protective equipment. Wash hands with water and soap. Avoid breathing dust. Ensure adequate ventilation.  
 Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Protect container from physical damage. Keep containers closed when not in use to prevent moisture loss.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Butylated Hydroxytoluene (128-37-0)	
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA) [1]	10 mg/m <sup>3</sup> (E)
Peak exposure limitation factor	4(II)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 11 - Summe aus Dampf und Aerosolen
Regulatory reference	TRGS900
United Kingdom - Occupational Exposure Limits	
Local name	2,6-Di-tert-butyl-p-cresol
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Zirconium Silicate (10101-52-7)	
United Kingdom - Occupational Exposure Limits	
Local name	Zirconium
WEL TWA (OEL TWA) [1]	5 mg/m <sup>3</sup> compounds (as Zr)
WEL STEL (OEL STEL)	10 mg/m <sup>3</sup> compounds (as Zr)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

No particular/specific measures required.

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Not required for normal conditions of use. Handling product in bulk: Use eye protection according to EN 166.

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear suitable gloves tested to EN374. Consult supplier for specific recommendations.

#### 8.2.2.3. Respiratory protection

##### 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.

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: light yellow.
Appearance	: Light yellow viscous paste.
Odour	: Fruity. Ester.
Odour threshold	: Not available
Melting point	: Not applicable

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Freezing point	: No data available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Keep away from heat and flame. Avoid dust formation.

### 10.5. Incompatible materials

Keep away from oxidizers, strong acids and strong bases.

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### Ethoxylated bisphenol-A-dimethacrylate (56744-60-6)

LD50 oral rat	> 2000 mg/kg
---------------	--------------

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

<b>Ethoxylated bisphenol-A-dimethacrylate (56744-60-6)</b>	
LD50 dermal rat	> 2000 mg/kg
<b>Triethylene glycol dimethacrylate (109-16-0)</b>	
LD50 oral rat	10837 g/kg
<b>Ethoxylated bisphenol A dimethacrylate (41637-38-1)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Urethane dimethacrylate (72869-86-4)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Ethyl 4-dimethylaminobenzoate (10287-53-3)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Butylated Hydroxytoluene (128-37-0)</b>	
LD50 oral rat	> 2930 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Oxybenzone (131-57-7)</b>	
LD50 oral rat	> 12800 mg/kg
LD50 dermal rabbit	> 16000 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
<b>Butylated Hydroxytoluene (128-37-0)</b>	
IARC group	3 - Not classifiable
<b>Butylated Hydroxytoluene (128-37-0)</b>	
NOAEL (chronic, oral, animal/male, 2 years)	25 mg/kg bodyweight (rat)
Reproductive toxicity	: May damage fertility or the unborn child (if swallowed).
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
<b>Triethylene glycol dimethacrylate (109-16-0)</b>	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight
<b>Ethoxylated bisphenol A dimethacrylate (41637-38-1)</b>	
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral))
<b>Butylated Hydroxytoluene (128-37-0)</b>	
LOAEL (oral, rat, 90 days)	100 mg/kg bodyweight
NOAEL (oral, rat, 90 days)	25 mg/kg bodyweight
Aspiration hazard	: Not classified

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : None known

#### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

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

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

<b>Ethoxylated bisphenol-A-dimethacrylate (56744-60-6)</b>	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Water flea)
<b>Triethylene glycol dimethacrylate (109-16-0)</b>	
LC50 - Fish [1]	16.4 mg/l Danio rerio (Zebrafish)
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitata
EC50 72h - Algae [2]	72.8 mg/l Pseudokirchneriella subcapitata
LOEC (chronic)	100 mg/l Daphnia magna (Water flea)
NOEC (chronic)	32 mg/l Daphnia magna (Water flea)
<b>Ethoxylated bisphenol A dimethacrylate (41637-38-1)</b>	
LC50 - Fish [1]	> 100 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Water flea)
ErC50 algae	> 100 mg/l
<b>Urethane dimethacrylate (72869-86-4)</b>	
LC50 - Fish [1]	10.1 mg/l Danio rerio (Zebrafish)
EC50 - Crustacea [1]	> 1.2 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	> 0.68 mg/l Desmodesmus subspicatus
<b>Ethyl 4-dimethylaminobenzoate (10287-53-3)</b>	
LC50 - Fish [1]	1.9 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	4.5 mg/l Daphnia magna (Water flea)
ErC50 algae	2.8 mg/l Pseudokirchneriella subcapitata
<b>Butylated Hydroxytoluene (128-37-0)</b>	
LC50 - Fish [1]	0.199 mg/l Quantitative structure-activity relationship (QSAR)
EC50 - Crustacea [1]	0.48 mg/l
EC50 72h - Algae [1]	> 0.4 mg/l Desmodesmus subspicatus
ErC50 algae	0.758 mg/l
LOEC (chronic)	1 mg/l Daphnia magna (Water flea)



# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

<b>Butylated Hydroxytoluene (128-37-0)</b>	
NOEC (chronic)	0.069 mg/l
NOEC chronic fish	0.053 mg/l
<b>Oxybenzone (131-57-7)</b>	
LC50 - Fish [1]	3.8 mg/l <i>Oryzias latipes</i> (Ricefish)
EC50 - Crustacea [1]	1.87 mg/l <i>Daphnia magna</i> (Water flea)
EC50 72h - Algae [1]	0.41 mg/l <i>Pseudokirchneriella subcapitata</i>
ErC50 algae	0.67 mg/l <i>Pseudokirchneriella subcapitata</i>

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose of in accordance with applicable federal, state, and local regulations.  
 Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate)	Environmentally hazardous substance, solid, n.o.s. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate)

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
<b>Transport document description</b>				
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butylated Hydroxytoluene ; Oxybenzone ; Urethane dimethacrylate), 9, III
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9
<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M7  
 Special provisions (ADR) : 274, 335, 375, 601  
 Limited quantities (ADR) : 5kg  
 Excepted quantities (ADR) : E1  
 Packing instructions (ADR) : P002, IBC08, LP02, R001  
 Special packing provisions (ADR) : PP12, B3  
 Mixed packing provisions (ADR) : MP10  
 Portable tank and bulk container instructions (ADR) : T1, BK1, BK2, BK3  
 Portable tank and bulk container special provisions (ADR) : TP33  
 Tank code (ADR) : SGAV, LGBV  
 Vehicle for tank carriage : AT  
 Transport category (ADR) : 3  
 Special provisions for carriage - Packages (ADR) : V13  
 Special provisions for carriage - Bulk (ADR) : VC1, VC2  
 Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
 Hazard identification number (Kemler No.) : 90  
 Orange plates :



Tunnel restriction code (ADR) : -  
 EAC code : 2Z

#### Transport by sea

Special provisions (IMDG) : 274, 335, 966, 967, 969  
 Limited quantities (IMDG) : 5 kg

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP02, P002
Special packing provisions (IMDG)	: PP12
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: BK1, BK2, BK3, T1
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW23

### Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y956
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
CAO max net quantity (IATA)	: 400kg
Special provisions (IATA)	: A97, A158, A179, A197, A215
ERG code (IATA)	: 9L

### Inland waterway transport

Classification code (ADN)	: M7
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 kg
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T* B**
Equipment required (ADN)	: PP, A***
Number of blue cones/lights (ADN)	: 0
Additional requirements/Remarks (ADN)	: * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of transport in bulk.

### Rail transport

Classification code (RID)	: M7
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5kg
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P002, IBC08, LP02, R001
Special packing provisions (RID)	: PP12, B3
Mixed packing provisions (RID)	: MP10
Portable tank and bulk container instructions (RID)	: T1, BK1, BK2, BK3
Portable tank and bulk container special provisions (RID)	: TP33
Tank codes for RID tanks (RID)	: SGAV, LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W13
Special provisions for carriage – Bulk (RID)	: VC1, VC2
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE11
Hazard identification number (RID)	: 90

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

##### 15.1.2. National regulations

###### Germany

Employment restrictions	: Observe restrictions according Act on the Protection of Working Mothers (MuSchG) Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)
Water hazard class (WGK)	: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
H317	May cause an allergic skin reaction.
H360	May damage fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Repr. 1B	Reproductive toxicity, Category 1B
Skin Sens. 1B	Skin sensitisation, category 1B

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Skin Sens. 1B	H317	Expert judgment
Repr. 1B	H360	Calculation method
Aquatic Chronic 2	H411	Calculation method

Safety Data Sheet (SDS), EU

# SimpliShade Bulk Fill

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

---

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

**Document Number:** DC-SDS-000781

**Revision:** 0

**Title:** SimpliShade Bulk Fill

All dates and times are in Pacific Standard Time.

### SimpliShade Bulk Fill

#### 01. Collaboration (SDS Admin & Approvers)

Name/Signature	Title	Date	Meaning/Reason
Tina Tedder (TINA.TEDDER)	SCIENTIST	11 Mar 2024, 03:03:23 PM	Complete

#### 02. Approve (SDS Approvers)

Name/Signature	Title	Date	Meaning/Reason
Tina Tedder (TINA.TEDDER)	SCIENTIST	11 Mar 2024, 03:03:42 PM	Approved

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

Name/Signature	Title	Date	Meaning/Reason
Justin Kim (JUSTIN.KIM)	MANAGER	14 Mar 2024, 08:35:00 AM	Reviewed
Tina Tedder (TINA.TEDDER)	SCIENTIST	14 Mar 2024, 12:07:57 PM	Reviewed

#### 04. Web Publishing & Closure (SDS Admin)

Name/Signature	Title	Date	Meaning/Reason
Tina Tedder (TINA.TEDDER)	SCIENTIST	14 Mar 2024, 12:09:50 PM	Approved

#### 05. Notification (Distribution List)

Name/Signature	Title	Date	Meaning/Reason
Alessandra Bufo (ALESSANDRA.BUFO)		14 Mar 2024, 12:09:50 PM	Email Sent
Arnaud Moins (ARNAUD.MOINS)		14 Mar 2024, 12:09:50 PM	Email Sent
Aurelia Wurzel (AURELIA.WURZEL)		14 Mar 2024, 12:09:50 PM	Email Sent
Emiliano Bini (EMILIANO.BINI)		14 Mar 2024, 12:09:50 PM	Email Sent
Jozef Szentkereszt (JOZEF.SZENTKERESZTY)		14 Mar 2024, 12:09:50 PM	Email Sent
Katerina Baresova (KATERINA.BARESOVA)		14 Mar 2024, 12:09:50 PM	Email Sent
Paride Antonelli (PARIDE.ANTONELLI)		14 Mar 2024, 12:09:50 PM	Email Sent
Ruggero Alzetta (RUGGERO.ALZETTA)		14 Mar 2024, 12:09:50 PM	Email Sent
Sandra Capurso (SANDRA.CAPURSO)		14 Mar 2024, 12:09:50 PM	Email Sent
Tina Tedder (TINA.TEDDER)	SCIENTIST	14 Mar 2024, 12:09:50 PM	Email Sent
Veronica Antonioli (VERONICA.ANTIONIOLI)		14 Mar 2024, 12:09:50 PM	Email Sent