


## 1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

1.1 Product Name:	Magilight Light Curing Special Tray Blanks				
Product Code:	925-BU, 925-PU				
Application:	For the fabrication of custom fitting impression trays				
1.2 Relevant identified uses of the substance or mixture and uses advised against;	<b>Intended uses:</b> Making of individual impression- and functional trays Occlusal registration Pre-sized impression for part- or total prosthetics			<b>Disadvised Uses:</b> Impressions Prosthesis Plastic Filling Material	
1.3 Company:	Davis Schottlander & Davis Ltd Fifth Avenue, Letchworth Garden City Herts SG6 2WD UK Tel: +44 (0)1462 480848      Fax: +44 (0)1462 482802 <a href="mailto:msds@schottlander.co.uk">msds@schottlander.co.uk</a> <a href="http://www.schottlander.com">www.schottlander.com</a>				
Revision Date:	26.9.2022	V 4.0	Previous Revision	02.06.2015	V3.0
Review Date:	26.9.2025				

## 2. HAZARD IDENTIFICATION

2.1	<b>Classification of the substance or mixture</b> <b>According to Regulation (EC) No., 1272/2008</b> - Skin sens. 1 (may cause allergic reactions)																		
2.2	<b>Label elements</b> Labelling according to Regulation 1272/2008 (GHS/CLP) <div></div> <div>Warning</div> <table><tr><td>H317</td><td>May cause skin irritations</td></tr><tr><td>P272</td><td>Contaminated work clothing should not wear outside the workplace</td></tr><tr><td>P280</td><td>Wear protective gloves/protective clothing/eye protection/ face protection</td></tr><tr><td>P302</td><td>In contact with skin:</td></tr><tr><td>P352</td><td>Flush with plenty of water and soap</td></tr><tr><td>P333</td><td>When skin irritation or rash occurs:</td></tr><tr><td>P313</td><td>Seek medical advice resp. medical attendance Take off contaminated clothing and wash before wearing again</td></tr><tr><td>P364</td><td>wash before wearing again</td></tr><tr><td>P501</td><td>Ingredients/container have to be disposed in accordance with local/regional/national/ international regulations.</td></tr></table>	H317	May cause skin irritations	P272	Contaminated work clothing should not wear outside the workplace	P280	Wear protective gloves/protective clothing/eye protection/ face protection	P302	In contact with skin:	P352	Flush with plenty of water and soap	P333	When skin irritation or rash occurs:	P313	Seek medical advice resp. medical attendance Take off contaminated clothing and wash before wearing again	P364	wash before wearing again	P501	Ingredients/container have to be disposed in accordance with local/regional/national/ international regulations.
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2.3	<b>Additional Hazards:</b> - Can become warm during light curing process - Do not use if known allergy against Acrylates and Methacrylates																		

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

	<b>Chemical Characterisation:</b> <b>Hazardous ingredients:</b>		
Ingredients	CAS-No./ EINECS-No./ EG-No.	Percentage (%)	Identification
Triethylenglykoldi- methacrylate	CAS-No. 109-16-0 EINECS-No.203-652-6	2-5	Skin Sens. 1B H317 Skin sensitization
Phosphine oxide	CAS-No. 75980-60-8 EG-No. 278-355-8	0,05 – 0,1	Repr 2 H361f suspected human carcinogen; probably harmful to fertility, probably damaging effect on the unborn child Aqu. Chron. 3, H412 hazardous to the aquatic environment, chronic
Vinylester Resin	CAS Nr. 55818-57-0	5-8	Skin Sens. 1B H317 Skin sensitization
2,2-Dimethoxy-2-diphenylacetophenon	CAS-Nr.24650-42-8 EINECS-Nr. 246-386-6	< 0,1 %	Aquatic Chronic 1, H410
Campherchinon	CAS-Nr. 10373-78-1	< 0,1 %	Skin Irrit. 2, H315 STOT SE, H335
Dimethylhydroxyacetophenon	CAS-Nr. 7473-98-5 EINECS-Nr. 231-272-0	< 0,1 %	Skin Sens. 1, H317 Acute Tox. 4 Aquatic Acute
2-Ethylhexyl-4-(dimethylamino)benzoat	CAS-Nr. 21245-02-3 EINECS-Nr. 244-289-3	< 0,1 %	Eye Irrit. 2, H319 Aquatic Acute, H400 Repr. 1B, H360
2,2-Diethoxyacetophenon	CAS-Nr. 6175-45-7 EINECS-Nr. 228-220-4	<0,1 %	STOT SE 3, H335

### 4. FIRST AID MEASURES

4.1	<b>Description of first aid measures</b> <b>If inhaled:</b> Take person to fresh air. No further first aid measures are required.
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	<p><b>In case of skin contact:</b> Wash off skin with soap and water and flush with plenty of Water. Contact a physician if the skin is irritated.</p> <p><b>In case of eye contact:</b> Rinse open eyes an efficient time with plenty of Water. Contact ophthalmologist if irritation is persisting.</p> <p><b>If swallowed:</b> Seek medical advice immediately</p>
4.2	<p><b>Most important symptoms and effects, both acute and delayed:</b> Sensitization of skin is possible</p>
4.3	<p><b>Indication of any immediate medical attention and special treatment needed</b> Contact physician if sensitization of skin is persisting</p>

## 5. FIRE FIGHTING MEASURES

5.1	<p><b>Extinguishing media</b> <b>Suitable extinguishing media:</b> Foam, Dry powder, carbon dioxide, water spray-stream. Adjust fire-fighting-measures to ambiance.</p> <p><b>For safety reasons unsuitable extinguishing media:</b> none</p>
5.2	<p><b>Special hazards arising from the substance or mixture</b> Particular danger through the product itself, its combustion products or gases are not known</p>
5.3	<p><b>Advice for fire-fighters</b> Use conventional measures to combat chemical fires, that means use self-contained breathing apparatus (isolating-unit).</p>

## 6. ACCIDENTAL RELEASE MEASURES

6.1	<p><b>Personal precautions, protective equipment and emergency procedures:</b> Arrange for fresh air.</p>
6.2	<p><b>Environmental protection measures:</b> Do not drain into drains or aquatic environments</p>
6.3	<p><b>Methods for cleaning / absorption:</b> Pick up material mechanically. Dispose only complete light cured material. Dispose material under adherence to the local official rules for hazardous wastes</p>
6.4	<p><b>Reference to other sections</b> None</p>

## 7. HANDLING AND STORAGE

7.1	<b>Precautions for safe handling: Recommendation:</b> The conventional precautions for works with chemicals are to be adhered. Wear overall while working.  <b>Information about fire- and explosion protection:</b> No special measures necessary.
7.2	<b>Conditions for safe storage, including any incompatibilities:</b> Store at a cool, dry and light protected place. Storage time: 3 years if storage conditions will be kept
7.3	<b>Specific end use(s)</b> Wear gloves while working. Good ventilation during grinding the cured material is recommended

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	<b>Control parameters</b> None known PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist	
8.2	<b>Exposure controls</b> Personal protective equipment: Pay attention of protection- and hygienic measures. Protection clothes must be stored separately. The usual precaution measures must be attended.	
	Breathing protection	Not necessary
	Eye Protection	Wear protection goggles when working at material
	Hand Protection	Sensitization: Wearing of applicable protection gloves is recommended (by experience of the past/literature) for example Ethiparat®-gloves for 5- 10 minutes, application of No-touch-Technik, minimal-contact-techniques is recommended
	Body Protection	Wear business usual protection clothes
	Other protection measures	none
	Advice for hygienic at workstation	Comply business usual protection- and hygienic measures. Preventive skin protection. Wash hands and skin after finishing work

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1</b>	<p><b>Information on basic physical and chemical properties</b></p> <p>All Information are for the Acrylate Resin, except point the appearance</p> <table border="0"> <tr> <td>Appearance:</td><td>Form:upper jaw and lower jaw pattern, kneadable mass</td></tr> <tr> <td>Odour/Flavour :</td><td>acrylates / methacrylates</td></tr> <tr> <td>Odour Threshold:</td><td>no data available</td></tr> <tr> <td>pH-level:</td><td>no data available</td></tr> <tr> <td>Melting point/freezing point:</td><td>no data available</td></tr> <tr> <td>Initial boiling point and boiling range:</td><td>no data available</td></tr> <tr> <td>Flash point:</td><td>not available (approx. &gt; 100°C) appreciated by the flash point of the ingredients</td></tr> <tr> <td>Evaporation rate</td><td>no data available</td></tr> <tr> <td>Flammability:</td><td>no data available</td></tr> <tr> <td>Upper/lower flammability or explosive limits:</td><td>no data available</td></tr> <tr> <td>Vapour pressure</td><td>no data available</td></tr> <tr> <td>Vapour density:</td><td>no data available</td></tr> <tr> <td>Relative density:</td><td>no data available</td></tr> <tr> <td>Water solubility:</td><td>insoluble in water</td></tr> <tr> <td>Partition coefficient:</td><td></td></tr> <tr> <td>n-Octanol/water:</td><td>no data available</td></tr> <tr> <td>Auto ignition temperature:</td><td>no data available</td></tr> <tr> <td>Decomposition temperature:</td><td>no data available</td></tr> <tr> <td>Viscosity:</td><td>no data available</td></tr> <tr> <td>Explosive properties</td><td>no data available</td></tr> <tr> <td>Oxidizing properties</td><td>no data available</td></tr> </table>	Appearance:	Form:upper jaw and lower jaw pattern, kneadable mass	Odour/Flavour :	acrylates / methacrylates	Odour Threshold:	no data available	pH-level:	no data available	Melting point/freezing point:	no data available	Initial boiling point and boiling range:	no data available	Flash point:	not available (approx. > 100°C) appreciated by the flash point of the ingredients	Evaporation rate	no data available	Flammability:	no data available	Upper/lower flammability or explosive limits:	no data available	Vapour pressure	no data available	Vapour density:	no data available	Relative density:	no data available	Water solubility:	insoluble in water	Partition coefficient:		n-Octanol/water:	no data available	Auto ignition temperature:	no data available	Decomposition temperature:	no data available	Viscosity:	no data available	Explosive properties	no data available	Oxidizing properties	no data available
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<b>9.2</b>	<p><b>Other Safety Information</b></p> <p>No data available</p>																																										

## 10. STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b> Product polymerizes slowly by contact with Sunlight or other Light
<b>10.2</b>	<b>Chemical stability</b> If protected against heat, solar radiation and light the material is chemical stable
<b>10.3</b>	<b>Possibility of hazardous reactions</b> No hazardous heat emission during slow polymerizing
<b>10.4</b>	<b>Conditions to avoid</b> Protect against Sunlight, heat and other light to avoid slowly polymerization
<b>10.5</b>	<b>Incompatible materials</b> Protect against radical formers to avoid slowly polymerization
<b>10.6</b>	<b>Hazardous decomposition products:</b> None, if used according to directions. After considerably exceedance of storage time and / or exceedance of storage temperature

it is possible that the product starts polymerizing under low heat impact.
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## 11. TOXICOLOGY INFORMATION

11.1	<p><b>Information of toxicological effects Acute Toxicity</b> According to the single ingredients the mixture is not acute toxic</p> <p><b>Skin corrosion/irritation</b> No irritation to skin</p> <p><b>Serious eye damage/eye irritation</b> No irritation to eyes</p> <p><b>Respiratory or skin irritation</b> No irritation to Respiratory or skin</p> <p><b>Skin sensitization</b> Skin sensitization possible according to the ingredients</p> <p><b>Toxicity – repeated exposure</b> No toxicity known after repeated exposure</p> <p><b>Germ cell mutagenicity Carcinogenicity</b> No carcinogenicity according to the ingredients</p> <p><b>Mutagenicity</b> No mutagenicity according to the ingredients</p> <p><b>Reproductive toxicity</b> No reproductive toxicity according to the concentration of the single components.</p> <p><b>Kinetic of the toxic reaction</b> According to the new Material Safety Data Sheet according to REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available.</p> <p><b>Further Information</b> By appropriate exposure and conventionally use and to our experiences and information on the product it causes no hazardous effects. The product has to be handled with the usual care when handling chemicals. Methacrylates may cause allergic reactions.</p>
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## 12. ECOLOGICAL INFORMATION

12.1	<p><b>Toxicity</b></p> <p>Fish toxicity: no data available for this mixture</p> <p>Water organism: no data available</p> <p>Bacteria toxicity: no data available</p>
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12.2	<b>Persistence and degradability</b> The ingredients of the mixture are not degradable
12.3	<b>Bioaccumulation potential:</b> No data available
12.4	<b>Mobility in soil</b> No data available
12.5	<b>Effect of the determination of the PTB- and vPvB-Report:</b> If the material causes hormonal effects or prevents them is unknown to us
12.6	<b>Other adverse effects</b> No data available


### 13. DISPOSAL CONSIDERATIONS

13.1	<b>Waste treatment methods</b> To dispose of accordingly with notice of the local regulations of authority. Do not empty into drains.  <b>Disposal key according to AVV regulation</b> 16 03 05 (organic disposal, contains hazardous substances)  <b>Package</b> Packages that are not contaminated can be recycled
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### 14. TRANSPORT INFORMATION

14.1	<b>UN Number</b> None
14.2	<b>UN proper shipping name</b> None
14.3	<b>Transport hazard class(es)</b> none
14.4	<b>Packaging group</b> none
14.5	<b>Environmental hazards</b> none
14.6	<b>Special precautions for Transport</b> none
14.7	<b>Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code</b> none

## 15. REGULATORY INFORMATION

15.1	<p><b>Safety health and environmental/legislation specific for the substances or mixture</b>  <b>GHS-Labeling according to guideline 1272/2008 (GHS/CL)</b></p> <div data-bbox="328 427 443 573">    Warning </div> <p> <b>H317</b> may cause skin irritations  <b>P272</b> Contaminated work clothing should not wear outside the workplace  <b>P280</b> Wear protective gloves/protective clothing/eye protection/face protection  <b>P302</b> In contact with skin:  <b>P352</b> Flush with plenty of water and soap  <b>P333</b> When skin irritation or rash occurs:  <b>P313</b> Seek medical advice resp. medical attendance  <b>P362</b> Take off contaminated clothing and wash before wearing again  <b>P364</b> wash before wearing again  <b>P501</b> ingredients/container have to be disposed in accordance with local/regional/national/international regulations </p>
15.2	<p><b>Safety assessments</b>  Safety Assessments for substances in this preparation were not executed</p>

## 16. FURTHER INFORMATION

### Further applicable EG Guidelines

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC. Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC. REACH-Guideline (EC) No. 1907/2006, at last changed by the guideline 1272/2008 EC.

### Manufacturer's suggested application restriction:

Only for commercial use – no public product

### H-phrases on which is referred in chapter 2 and 3

**H317** May cause an allergic skin reaction

### Changes compared to the last version

Change of Labelling according GHS-Labeling

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1272 / 2008

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with



## SAFETY DATA SHEET

regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.