

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

1.1 Product Name:	Magilight Dry Coat				
Product Code:	951				
Application:	A surface coating agent which is applied to the Magilight Tray Blanks				
1.2 Relevant identified uses of the substance or mixture and uses advised against;	none				
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 msds@schottlander.co.uk www.schottlander.com				
Revision Date:	11.5.21	V 4.0	Previous Revision	24.11.2015	V3.0

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2 Skin corrosion/irritation: Skin Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1B

Specific target organ toxicity - single exposure: STOT SE 3 Hazard Statements:

Highly flammable liquid and vapour. Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction. May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P501 Dispose of waste according to applicable legislation. P302+P352 IF ON SKIN: Wash with plenty of water.

P280 Wear protective gloves/protective clothing/eye protection/face protection. P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical characterization

chemical characterization (preparation): Acrylate.-resin.:

MMA (CAS 80-62-6): 40-50 %

DPPA (CAS 1384855-91-7): 30-40 %

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
80-62-6	MMA			< 50 %
	201-297-1	607-035-00-6		
	Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H225 H335 H315 H317			

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

4. FIRST AID MEASURES

4.1. Description of first aid measures

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Medical treatment necessary

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media Suitable extinguishing media

Extinguishing powder. Sand. Foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Wear suitable gloves.
Avoid contact with eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
80-62-6	Methyl methacrylate	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL

8.1. Exposure controls



Appropriate engineering controls

Ensure adequate ventilation of the storage area.

Protective and hygiene measures

When using do not eat or drink.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

Respiratory protection

Filtering device (full mask or mouthpiece) with filter: A

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state: Liquid
Colour: Yellow
Odour: Ester
pH-Value: Not applicable

Changes in physical state:

Point of decomposition: >100°C
Flash point: mixture not tested
Lower explosion limits: 2,1 vol %
Upper explosion limits: 12,5 vol %
Ignition temperature: >430°C
Vapour pressure: 40 hPa
(at 20°C)
Density: ca. 1,1 g/cm³
Vapour density: >1

10. STABILITY AND REACTIVITY**10.4. Conditions to avoid**

heat. Light.
Decomposition takes place from temperatures above: 100 °C

10.5. Incompatible materials

Keep away from strong acids, leachates, heavy metal salts and reducing materials.

10.6. Hazardous decomposition products

In case of fire may be liberated: Gas / vapours, irritant. (Acrylate., pungent)

Further information

Substances sensitive to light.

11. TOXICOLOGY INFORMATION**11.1. Information on toxicological effects****Acute toxicity**

LD50, oral (rat): > 2800 mg/kg (calculated, ATE mix)

Irritation and corrosivity

Irritant effect on the eye: In rare cases the product can cause temporary erythema of the

skin. Frequently or prolonged contact with skin may cause dermal irritation.

Sensitising effects

May cause sensitization by skin contact.

Specific effects in experiment on an animal

LD50: (Rat)
> 5.000 mg/kg

Additional information on tests

Contains Methyl methacrylate.: May produce an allergic reaction. May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Product is partially biodegradable. >50 %
Acute fish toxicity LC50: > 79 mg / l / 96 h

12.2. Persistence and degradability

Preparation not tested.
Do not allow to enter into surface water or drains.
Leakage into the environment must be prevented

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Advice on disposal

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Waste disposal number of waste from residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE);
wastes from natal care, diagnosis, treatment or prevention of disease in humans;
chemicals consisting of or containing hazardous substances; hazardous waste

14. TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1	UN number:	1247
14.2	UN proper shipping name:	METHYL METHACRYLATE MONOMER, STABILISED
14.3	Transport hazard class(es):	3
14.4	Packing group:	II
	Hazard label:	3



Classification code: F1
 Limited quantity: 1L
 Transport category: 2
 Hazard No: 339
 Tunnel restriction code: D/E

Other applicable information (land transport):

E2

Marine transport (IMDG)

14.1 UN number: 1247
 14.2 UN proper shipping name: METHYL METHACRYLATE MONOMER, STABILISIERT
 14.3 Transport hazard class(es): 3
 14.4 Packing group: II
 Hazard label: 3



Special provisions: -
 Limited quantity: 1L
 EmS: F-E, S-D

Other applicable information (marine transport):

E2

Air transport (ICAO-TI/IATA-DGR)

14.1 UN/ID number: 1247
 14.2 UN proper shipping name: METHYL METHACRYLATE MONOMER, STABILISIERT
 14.3 Transport hazard class(es): 3
 14.4 Packing group: II
 Hazard label: 3



Limited quantity passenger: 1L
 IATA-packing instructions-Passenger: 353
 IATA-max. Quantity-Passenger: 5L
 IATA-packing instructions-Cargo: 364
 IATA-max. Quantity-Cargo: 60L

Other applicable information (air transport):

E2,
 :Y341

14.5 Environmental hazards:

ENVIRONMENTALLY HAZARDOUS: No

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulatory information
 Water contaminating class (D): 1 - slightly water contaminating.

16. FURTHER INFORMATION

Relevant H and EUH statements (number and full text)
 H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.

Further Information
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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 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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)