

**1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY**

Product Name: Magilight Dry Coat  
Product Code: 951

Application: A surface coating agent which is applied to the Magilight Tray Blanks

Company: Davis Schottlander & Davis Ltd  
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Herts SG6 2WD UK  
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**2. HAZARD IDENTIFICATION****Classification of the substance or mixture:**

Indications of danger: Irritant

**GHS Classification:**

Hazard Statements:

Highly flammable liquid and vapour.

May cause respiratory irritation.

Causes skin irritation.

May cause an allergic skin reaction.

**Label elements:**

Signal word: Danger

Pictograms: GHS02-GHS07

**Hazard statements**

H225 Highly flammable liquid and vapour.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

**Precautionary statements**

P403 Store in a well ventilated place

P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P302/P352 IF ON SKIN: Wash with plenty of soap and water.

P273 Avoid release to the environment.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

**3. COMPOSITION / INFORMATION ON INGREDIENTS****Chemical characterisation**

Chemical characterisation (preparation): Acrylate resin.

**Hazardous components**

CAS No.	Chemical Name	Quantity
201-297-1	Methyl 2-methylprop-2-enoate, methy 2-methylpropenoate, methyl methacrylate	40-95%
607-035-00-6	Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H225 H335 H315 H317	

Full text of H- phrases: See Section 16.

#### 4. FIRST AID MEASURES

##### 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:** Consult physician.

#### 5. FIRE FIGHTING MEASURES

##### Extinguishing media

##### **Suitable extinguishing media:**

Extinguishing powder, sand, foam, carbon dioxide (CO<sub>2</sub>)

##### **Extinguishing media which must not be used for safety reasons:**

High power water jet.

#### 6. ACCIDENTAL RELEASE MEASURES

##### **Personal precautions, protective equipment and emergency procedures:**

Provide adequate ventilation.

##### **Environmental precautions:**

Do not empty into drains or the aquatic environment.

##### **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

##### 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 protected machinery, apparatus, suction equipment, appliances etc.

##### 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

##### Control parameters

Exposure limits (EH40)

CAS No.	Chemical Name	Ml/m <sup>3</sup>	Mg/m <sup>3</sup>	F/ml	Category	Origin
80-62-6	Methyl methacrylate	50 100	208 416		TWA (8h) STEL (15min)	WEL WEL

**Additional advice on limit values:**

Exposure limit values: (MMA): 210 mg/m<sup>3</sup>, 50 ml/m<sup>3</sup>

**Exposure Controls****Occupational exposure controls:**

Ensure adequate ventilation of the storage area.

**Protective and hygiene measures:**

When using do not eat or drink.

**Respiratory protection:**

Filter respirator (full mask or mouth-piece) with filter: A

**Hand protection:**

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

**Eye protection:**

Tightly sealed safety glasses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**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: 10°C  
 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/cm<sup>3</sup>  
 Vapour density: >1

## 10. STABILITY AND REACTIVITY

**Conditions to avoid:**

Heat. Light. Decomposition takes place from temperature above 100°C.

**Incompatible materials:**

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

**Hazardous decomposition products:**

Can be released in case of fire: Gas/vapours, irritant (Acrylate, pungent).

**Further information:**

Substances sensitive to light.

**11. TOXICOLOGY INFORMATION****Information on toxicological effects:****Specific effects in experiment on an animal:**

LD50: (Rat)

5.000 mg/kg

**Irritation and corrosivity:**

Irritant effect on the eye: In rare cases product may cause temporary redness of the skin.

Frequently or prolonged contact with skin may cause dermal irritation.

**Sensitising effects:**

May cause sensitisation by skin contact.

**Additional information on tests:**

Contains Methyl Methacrylate: May produce an allergic reaction.

May cause sensitisation by skin contact.

**12. ECOLOGICAL INFORMATION****Toxicity:**

Product is partially biodegradable &gt;50%

Acute fish toxicity LC50: &gt;79mg/l/96h

**Persistence and degradability:**

Preparation not tested.

Do not empty into drains or the aquatic environment.

Leakage into the environment must be prevented.

**13. DISPOSAL CONSIDERATIONS****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 HEALTHCARE AND/OR RELATED RESEARCH

(except kitchen and restaurant wastes not arising from immediate healthcare); wastes from

natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances.

Classified as hazardous waste.

**14. TRANSPORT INFORMATION****Land transport (ADR/RID)**

UN number: 1247

UN proper shipping name: METHYL METHACRYLATE MONOMER, STABILISED

Transport hazard class(es): 3

Packing group: II

Hazard label: 3



Classification code: F1

Limited quantity: 1L

# SAFETY DATA SHEET

Transport category: 2  
Hazard No: 339  
Tunnel restriction code: D/E

Other applicable information (land transport): E2

## Marine transport

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



Special provisions: -  
Limited quantity: 1L  
EmS: F-E, S-D  
Other applicable information (marine transport): E2

## Air transport

UN/ID number: 1247  
UN proper shipping name: METHYL METHACRYLATE MONOMER, STABILISIERT  
Transport hazard class(es): 3  
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  
Environmental hazards:  
Dangerous for the environment: No

## 15. REGULATORY INFORMATION

**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

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.

**Full text of H-statements referred to under Sections 2 & 3**

- H225 Highly flammable liquid and vapour
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H335 May cause respiratory irritation