

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**2500**

Print date: 08.04.2015

Product code: 2500\_GHS\_CAS

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

### 1.1. Product identifier

**Stern Vantage Varnish**

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

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

Company name:	Sterngold Dental, LLC	
Street:	23 Frank Mossberg Drive	
Place:	Attleboro, MA 02703	
Telephone:	(508) 226-5660	Telefax: (508) 226-7528
e-mail:	<a href="mailto:info@sterngold.com">info@sterngold.com</a>	
Internet:	<a href="http://www.sterngold.com">www.sterngold.com</a>	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Indications of danger: Xi - Irritant  
R phrases:  
Irritating to respiratory system and skin.  
May cause sensitisation by skin contact.

#### GHS classification

Hazard Statements:  
Highly flammable liquid and vapour.  
May cause respiratory irritation.  
Causes skin irritation.  
May cause an allergic skin reaction.

### 2.2. Label elements

Signal word: Danger  
Pictograms: GHS02-GHS07



#### Hazard statements

Highly flammable liquid and vapour.  
May cause respiratory irritation.  
Causes skin irritation.  
May cause an allergic skin reaction.

#### Precautionary statements

Store in a well-ventilated place.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN: Wash with plenty of soap and water.  
Avoid release to the environment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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**Chemical characterization**

chemical characterization (preparation): Acrylate.-resin.

**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
201-297-1	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	40 - 95 %
80-62-6	F - Highly flammable, Xi - Irritant R11-37/38-43	
607-035-00-6	Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H225 H335 H315 H317	

Full text of R and H phrases: see Section 16.

**SECTION 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**

Consult physician.

**SECTION 5: Firefighting measures****5.1. 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.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

**6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.

**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).

**SECTION 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-protected machinery, apparatus, suction equipment, appliances etc.

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## 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.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

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

#### Additional advice on limit values

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

### 8.2. 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.

## SECTION 9: Physical and chemical properties

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

Physical state: liquid  
 Colour: yellow  
 Odour: ester

#### Test method

pH-Value: not applicable

#### Changes in the 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)

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Density:

ca. 1,1 g/cm<sup>3</sup>

Vapour density:

&gt; 1

## SECTION 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

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

### Further information

Substances sensitive to light.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### **Specific effects in experiment on an animal**

LD50: (Rat.)

&gt; 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 sensitization by skin contact.

#### **Additional information on tests**

Contains Methyl methacrylate.: May produce an allergic reaction.

May cause sensitization by skin contact.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product is partially biodegradable. &gt;50 %

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

### 12.2. Persistence and degradability

Preparation not tested.

Do not empty into drains or the aquatic environment.

Leakage into the environment must be prevented.

## SECTION 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 dangerous substances  
Classified as hazardous waste.

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## SECTION 14: Transport information

### Land transport (ADR/RID)

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



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

#### Other applicable information (land transport)

### Marine transport (IMDG)

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



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

#### Other applicable information (marine transport)

### Air transport (ICAO)

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



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

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**Other applicable information (air transport)**E2  
: Y341**14.5. Environmental hazards**

Dangerous for the environment: no

**SECTION 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

**SECTION 16: Other information****Full text of R phrases referred to under Sections 2 and 3**Highly flammable.  
Irritating to respiratory system and skin.  
May cause sensitisation by skin contact.**Full text of H statements referred to under Sections 2 and 3**Highly flammable liquid and vapour.  
Causes skin irritation.  
May cause an allergic skin reaction.  
May cause respiratory irritation.**Further Information**

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