

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-Metal Primer

Status: 13.05.2015
Page: 1 von 8

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Name of product: SD-Metal Primer

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

Use of the substance/mixture

Dental bonding material

1.3. Details of the supplier of the safety data sheet

Manufacturer / distributor

SCHEU DENTAL GmbH

Am Burgberg 20

D-58642 Iserlohn

Tel. +49 (2374) 9288-0

Fax +49 (2374) 9288-90

eMail: service@SCHEU-DENTAL.com

Internet: www.SCHEU-DENTAL.com

1.4. Emergency telephone number: +49 (2374) 9288-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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

Flam. Liq. 2 H225; Skin Irrit. 2 H315; Skin Sens. 1 H317; STOT SE 3 H335

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

The product is classified and labelled according to the CLP regulation.

Signal word: Danger

Hazard Pictograms: GHS02 GHS07



Hazard-determining components of labelling:

methyl methacrylate

Hazard statements

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

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-Metal Primer

Status: 13.05.2015
Page: 2 von 8

P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Results of PBT an vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous components

EC-No..	Chemical name	Quantity
CAS-No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Index-No.		
REACH-No.		
201-297-1	methyl methacrylate	75 – 100 %
80-62-6	Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	

Additional information

For the wording of the listed H-phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information:	Immediately remove any clothing soiled by the product.
After inhalation:	Take affected persons into fresh air and keep quiet. Seek medical treatment.
After contact with skin:	Wash immediately with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After contact with eyes:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After ingestion:	Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately

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

No further relevant information available.

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

No further relevant information available.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-Metal Primer

Status: 13.05.2015

Page: 3 von 8

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Water spray, Fire-extinguishing powder, Carbon dioxide

Unsuitable extinguishing media

Water with full jet.

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Special protective equipment for fire fighters:

Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources. Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Advice on safe handling

Keep receptacles tightly sealed.

Advice on protection against fire and explosion

Keep ignition sources away – Do not smoke. Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements for storage rooms and vessels

Storage between 10 °C and 25 °C.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information on storage conditions

Protect from heat and direct sunlight.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-Metal Primer

Status: 13.05.2015

Page: 4 von 8

Storage class:

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls / personal protection

Additional information about design of technical facilities.

No further data ; see item 7.

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:	
80-62-6 methyl methacrylate	
WEL	Short-term value: 416 mg/m ³ , 100 ppm
	Long-term value: 208 mg/m ³ , 50 ppm

Additional information:

The lists valid during the making were used as basis.

8.2. Exposure controls

Personal protective equipment:

Protective and hygiene measures:

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

Respiratory protection

Not necessary if room is well-ventilated.

Hand protection

Solvent resistant gloves

Material of gloves

Butyl rubber, BR

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Safety glasses

Limitation and supervision of exposure into the environment

No special precautions are necessary if used correctly.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Physical state:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined

Material Safety Data Sheet according to (EC) 1907/2006

Tradename:

SD-Metal PrimerStatus: 13.05.2015
Page: 5 von 8

pH-value:	Not determined
Melting point/freezing point:	-48 °C
Initial boiling point and boiling range:	101 °C
Flash point:	10 °C
Flammability (solid, gas):	Not applicable
Ignition temperature:	430 °C
Decomposition temperature:	Not determined
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Lower explosion limit:	2.1 Vol %
Upper explosion limit:	12.5 Vol %
Vapour pressure:	47 hPa
Density:	0,94 g/cm ³
Relative density:	Not determined
Vapour density	Not determined
Evaporation rate:	Not determined
Water solubility:	1,6 g/l
Partition coefficient: n-octanol/water	Not determined
Viscosity Dynamic:	Not determined
Viscosity Kinematic:	Not determined
Solvent content:	
Organic solvents:	0.0 %

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity**10.1. Reactivity****10.2. Chemical stability**Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.**10.3. Possibility of hazardous reactions**

Reacts with peroxides and other radical forming substances. Danger of polymerization.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

In presence of radical formers (e. g. peroxides), deoxidizing substances, and/or heavy metal ions, polymerization with heat release is possible.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological Information**11.1. Information on toxicological effects****Acute toxicity**

CAS-No.	Chemical name	Exposure routes	Method	Dose	Species	Source
80-62-6	methyl methacrylate	oral	LD50	> 5000 mg/kg	rat	OECD 401
		inhalativ	LD50	7093 ppm / 4h	rat	

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-Metal Primer

Status: 13.05.2015

Page: 6 von 8

Primary irritant effect:

Serious eye damage / irritation

On the skin: Irritant to skin and mucous membranes.

On the eye: Slightly irritating.

Respiratory or skin sensitization

Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Not applicable.

SECTION 12: Ecological Information

12.1. Toxicity

Aquatic toxicity:

No further relevant information available.

CAS-Nr.	Bezeichnung	Expositionswege	Methode	Dosis	Spezies	Quelle
80-62-6	Methylmethacrylat		LC50	>79 mg/l	Fisch	OECD 203
			NOEC	40 mg/l		ISO 7346
			Expositionsdauer:	96 h	449 V, C1 Oncorhynchus mykiss	EEC84

Toxicity to Micro-Organisms (MMA)

ECO: 100 mg/l starting inhibition of cell growth Spezies: Pseudomonas putida

12.2. Persistence and degradability

No further relevant information available.

Behaviour in environmental systems:

Components:

methyl methacrylate

Biodegradability: 30,7 %

Time: 28 d

Method: OECD 301 C

Valuation: difficult to decompose

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

SD-Metal Primer

Status: 13.05.2015
Page: 7 von 8

12.6. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendation

Must be specially treated adhering to official regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

07 01 04* other organic solvents, washing liquids and mother liquors

Uncleaned packaging:

Recommendation:


Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Recommended cleansing agents:


Alcohol

Section 14. Transport Information


Land transport (ADR/RID)

14.1. UN number:	1247	
14.2. UN proper shipping name:	METHYL METHACRYLATE MONOMER, STABILIZED, solution	
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):		

Inland waterways transport (ADN)

14.1. UN number:	1247	
14.2. UN proper shipping name:	METHYL METHACRYLATE MONOMER, STABILIZED, solution	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Classification code:	F1	
Limited quantity:	1 L	
Other applicable information		


Marine transport (IMDG)

14.1. UN number:	1247	
14.2. UN proper shipping name:	METHYL METHACRYLATE MONOMER, STABILIZED, solution	
14.3. Transport hazard class(es):	3	
14.4. Packaging group:	II	
Hazard label:	3	
Limited quantity:	1 L	
EmS:	F-E,S-D	
Other applicable information (marine transport):		

Material Safety Data Sheet according to (EC) 1907/2006

Tradename:

SD-Metal PrimerStatus: 13.05.2015
Page: 8 von 8**Air transport (ICAO)**

14.1. UN number:	1247	
14.2. UN proper shipping name:	METHYL METHACRYLATE MONOMER, STABILIZED, solution	
14.3. Transport hazard class(es):	3	
14.4. Packaging 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	
Other applicable information (air transport)		
Passenger-LQ:	Y341	

14.5. Environmental hazards

No

14.6. Special precautions for user

Not applicable.

Section 15. Regulatory Information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Information about limitation of use:**

Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning juveniles must be observed.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

Section 16. Other Information**Abbreviations and acronyms**

ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
LC50	Lethal concentration, 50 %
LD50	Lethal dose, 50 %
Eye Irrit. 2	Serious eye damage/eye irritation, Hazard Category 2

Relevant H- and EUH-phrases (number and full text)**Hazard statements**

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

Material Safety Data Sheet according to (EC) 1907/2006

Tradename:

SD-Metal Primer

Status: 13.05.2015

Page: 9 von 8

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.