

Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name: Meta Fast Bonding Liner

Manufacturer: Sun Medical

SDS Expiry: 28 June 2023

Supplier Details: Henry Schein New Zealand
23 William Pickering Drive, Albany
PO Box 101 140, North Shore, Auckland 0745
Ph. 0800 808 855
www.henryschein.co.nz

Emergency Contacts: Poisons/Hazardous Chemical Info Centre –
0800POISON/0800764766 (24 Hours)
Phone 111 for Fire, Ambulance or Police

HSNO Class/Category: 2 / 6

HSNO Group Standard: Dental Products Flammable Group Standard 2017 HSR002556

Statements/Pictograms: As per attached Safety Data Sheet (SDS)

Date Prepared: This coversheet was prepared on 13 October 2020

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 15 Jan 2019

Revision: 28 June 2018

1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**Trade name: **META FAST BONDING LINER****1.2. Relevant identified uses of the substance or mixture and uses advised against****Application of the substance /** Dental adhesive material (For dentist only)**1.3. Details of the supplier of the safety data sheet**

Name Henry Schein Halas

Address 44 O'Dea Avenue, Waterloo NSW 2017, Australia

Emergency contact Telephone 1300 65 88 22

Facsimile 1300 65 88 10

e-mail info@henryschein.com.au

Manufacturer/Supplier:

Sun Medical Co., Ltd.

Address: 571-2 Furutaka-cho, Moriyama, Shiga, 524-0044, Japan

Person responsible for the safety data sheet:

Shinichiro Tawaki,

Tel.: +81-77-582-9978 (Japan)

mail: S.Tawaki@sunmedical.co.jp

1.4. Emergency telephone number

Australia: 13 11 26 (24 Hours Emergency)

2. Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Directive 1272/2008



Category 3



Category 1

Information concerning particular hazards for human and environment:

2.2. Label elements

H225:Highly flammable liquid and vapour

H335:May cause respiratory irritation.

H315:Causes skin irritation.

H317:May cause an allergic skin reaction.

Hazard-determining components of labelling:

Methyl Methacrylate (MMA)

4-methacryloxyethyltrimellitic acid anhydride (4-META)

Safety phrases:

S-24-37-46 Avoid contact with skin. Wear suitable gloves.

If swallowed, seek medical advice immediately and show this container or label.

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2.3. Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

Hazardous and Dangerous (Australia)

SUSMP: None (Australia)

3. Composition/information on ingredients

Chemical characterization: Mixtures

	EC No.	CAS No.	Index No.	Content (%)	Symbol	R-Phrase
Preparation	-	-	-	-	F/Xi	R11-36/37/38-43
Ingredients	EC No.	CAS No.	Index No.	Content (%)	Symbol	R-Phrase
Methy methacrylate (MMA)	201-297-1	80-62-6	607-035-00-6	balance	F/Xi	R11-36/37/38-43
4-Methacryloxy ethyltrimelitic acid anhydride (4-META)	274-547-0	70293-55-9	-	approx. 7%		

4. First aid measures

4.1. Description of first aid**measures After inhalation**

Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

After skin contact

Flush with soap and plenty of water. Get medical attention if irritation develops or persists.

After eye contact

Immediately flush with flowing water for at least 15 minutes. Get medical attention.

After swallowing

Promptly drink several glasses of water or milk to dilute. Induce vomiting immediately as directed by medical personnel. Get medical attention.

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

Repeated or prolonged contact may cause skin sensitization. Prolonged or repeated inhalation may cause kidney and lung damage. The substance may have effects on the nervous system.

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

Persons with known sensitivity to methacrylate may show allergic contact dermatitis.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents Foam, dry chemical, carbon dioxide or dry sand.

For safety reasons unsuitable extinguishing agents Water, Water with a full water jet.

5.2. Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

5.3. Advice for firefighters

Do not inhale gases.

Protective equipment Use protective gloves and clothing.

Additional information none

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For skin protection wear impervious protective gloves and clothing.

For eye protection use safety goggles or a full-face shield.

6.2. Environmental precautions:

May be hazardous to the environment. Special attention should be given to water.

This material is not expected to significantly bioaccumulate.

6.3. Methods and material for containment and cleaning up:

In case material is released or spilled, remove all ignition sources, and ventilate the area of leak or spill. Collect spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Do NOT wash away into sewer.

6.4. Reference to other sections

See Section 13 for information on disposal.

See Section 8 for information on personal protection equipment.

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7. Handling and storage

7.1. Precautions for safe handling

The composition is for dental use. Handle and store it carefully avoiding leakage or contamination.

Observe normal warehouse handling procedures. Protect against physical damages.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry and dark well-ventilated place. Store away from sources of ignition, strong oxidants, strong bases, strong acids. Do NOT store under pure nitrogen or oxygen-free gas.

Take precautionary measures against static discharge.

7.3. Specific end use

The composition is for dental use.

8. Exposure controls/personal protection

8.1. Control parameters: (MMA) OSHA PEL 100 ppm (TWA), ACGIH TLV 100 ppm (TWA) **8.2. Exposure controls**

Personal protective equipment

Ventilation: Use general and/or local exhaust to keep exposures to a minimum.

Breathing equipment: None required during ordinary use of this product.

Protection of hands: Use impervious protective gloves to prevent skin contact.

Eye protection: Use safety glasses.

Skin protection: Use impervious protective gloves to prevent skin contact.

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Appearance: Colorless liquid

Odor: Characteristic sweet, sharp

Important health, safety and environmental information

pH: Not applicable

Vapor density: 3.5 (MMA)

Boiling point: 101°C (MMA)

Freezing point: Not determined

Solubility in water: <1.7 wt%

Specific gravity: 0.94/20°C (MMA)

Flash point: 10°C (MMA)

Autoignition temp: 420°C (MMA)

Flammable limit: LEL=2 vol%, UEL=12 vol% (MMA)

9.2. Other information: None

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10 Stability and reactivity

10.1. Reactivity: Polymerization may be caused by elevated temperature, oxidizers or sunlight.

10.2. Chemical stability: Stable under ordinary conditions of use and storage.

10.3. Possibility of hazardous reactions:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

10.4. Conditions to be avoided: Heat beyond 30°C. Direct sunlight. Ignition sources.

10.5. Incompatible materials:

Polymerization initiator such as peroxide, persulfate, amine, light, strong acids, strong bases.

10.6. Hazardous decomposition products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

11 Toxicological information

11.1. Information on toxicological effects

Primary irritant effect:

on the skin: Irritant for skin and mucous membranes.

on the eye: May cause irritation.

Sensitization: Persons with sensitivity to methacrylates may show allergic contact dermatitis.

Prolonged or repeated exposure can cause liver and kidney damage, and allergic skin reaction.

Mutagenicity: (MMA): Has caused mutagenic effects on laboratory animals.

(4-META): Ames test negative

Carcinogenicity: (ACGIH) No, (IARC) No (Group 3: MMA)

12 Ecological information

12.1. Toxicity

(MMA): LD50(Oral/rat): 7,870 mg/kg LD50(Inhalation/rat): 78,000 mg/m³/2H

(4-META): LD50(Oral/rat): >2,000 mg/kg

12.2. Persistence and degradability: Degradable to a moderate extent.

12.3. Bioaccumulative potential: An estimated bioconcentration factor(BCF) is below 100.

12.4. Mobility in soil:

When released, this substance is expected quickly evaporate or may leach into groundwater.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

General notes: Do not allow product to reach ground water, water bodies or sewage system.

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13 Disposal considerations

13.1. Waste treatment methods

Recommendation

Should be handled as hazardous waste. Must not be disposed of together with household garbage. (Consult federal, state, and local regulations): Do not empty into sewer. This substance should be sent to an approved incinerator.

14 Transport information

14.1. UN number: UN1247

14.2. UN proper shipping name: Methyl methacrylate monomer, inhibited

14.3. Transport hazard class(es)

UN Class 3

IMDG Class

3.2 ICAO/IATA

14.4. Packing group

UN Packaging group PG II

IMDG PG II

ICAO/IATA PG II

14.5. Environmental hazards: None

14.6. Special precautions for user: Limited to dental use.

15 Other information

The information above is believed to be accurate. However, no warranty is made of merchantability, or any other warranty, express or implied, with respect to such information, and no liability resulting from its use is assumed. Users must take their own investigations to determine the suitability of the information for their particular purposes.

Expiry: 27 June 2023

(End of SDS)