

# **Gingival Barrier**

**SDI Limited** 

Version No: **6.1.1.1**Safety Data Sheet

Issue Date: 18/03/2016 Print Date: 23/03/2016 Initial Date: Not Available L.GHS.CAN.EN

#### **SECTION 1 IDENTIFICATION**

#### **Product Identifier**

Product name	Gingival Barrier
Synonyms	Not Available
Other means of identification	Not Available

#### Recommended use of the chemical and restrictions on use

Relevant identified uses	For tissue isolation by dental professionals.

#### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	SDI Limited	SDI Brazil Industria E Comercio Ltda	SDI Germany GmbH
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Registered company name	SDI (North America) Inc.		
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Telephone	+1 630 361 9200 (Business hours)		
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Email	USA.Canada@sdi.com.au		

#### **Emergency phone number**

Emorgoney phone number			
Association / Organisation	SDI Limited	Not Available	Not Available
Emergency telephone numbers	+61 3 8727 7111	Not Available	Not Available
Other emergency telephone numbers	ray.cahill@sdi.com.au	Not Available	Not Available
Association / Organisation	Not Available		
Emergency telephone numbers	+61 3 8727 7111		
Other emergency telephone numbers	Not Available		

#### **SECTION 2 HAZARD(S) IDENTIFICATION**

# Classification of the substance or mixture NFPA 704 diamond



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

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Classification

Skin Sensitizer Category 1

#### Label elements

#### GHS label elements



SIGNAL WORD

WARNING

#### Hazard statement(s)

H317 May cause an allergic skin reaction.

#### Hazard(s) not otherwise specified

Not Applicable

# Precautionary statement(s) Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.

#### Precautionary statement(s) Response

P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

#### Precautionary statement(s) Storage

Not Applicable

## Precautionary statement(s) Disposal

P501 Dispose of contents/container in accordance with local regulations.

# **SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

#### Substances

See section below for composition of Mixtures

# Mixtures

CAS No	%[weight]	Name
Not Available	75-85	acrylic monomer

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

# **SECTION 4 FIRST-AID MEASURES**

# Description of first aid measures

Eye Contact	If this product comes in contact with the eyes:  Wash out immediately with fresh running water.  Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  Seek medical attention without delay; if pain persists or recurs seek medical attention.  Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs:  Immediately remove all contaminated clothing, including footwear.  Flush skin and hair with running water (and soap if available).  Seek medical attention in event of irritation.
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>
Ingestion	Seek medical attention.

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### **SECTION 5 FIRE-FIGHTING MEASURES**

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# **Extinguishing media**

- ► Foam.
- Dry chemical powder.
- ► BCF (where regulations permit).
- Carbon dioxide.
- ▶ Water spray or fog Large fires only.

#### Special hazards arising from the substrate or mixture

Fire Incompatibility	None known.
Special protective equipm	ent and precautions for fire-fighters
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use fire fighting procedures suitable for surrounding area.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul>
Fire/Explosion Hazard	<ul> <li>The material is not readily combustible under normal conditions.</li> <li>However, it will break down under fire conditions and the organic component may burn.</li> <li>Not considered to be a significant fire risk.</li> <li>Heat may cause expansion or decomposition with violent rupture of containers.</li> <li>Decomposes on heating and may produce toxic furnes of carbon monoxide (CO).</li> <li>May emit acrid smoke.</li> </ul>

Other decomposition products include; carbon dioxide (CO2)May emit corrosive fumes.

# **SECTION 6 ACCIDENTAL RELEASE MEASURES**

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

rersonal precautions, protective equipment and emergency procedures	
Minor Spills	<ul> <li>Clean up all spills immediately.</li> <li>Avoid contact with skin and eyes.</li> <li>Wear impervious gloves and safety goggles.</li> <li>Trowel up/scrape up.</li> <li>Place spilled material in clean, dry, sealed container.</li> <li>Flush spill area with water.</li> </ul>
Major Spills	Minor hazard.  Clear area of personnel.  Alert Fire Brigade and tell them location and nature of hazard.  Control personal contact with the substance, by using protective equipment as required.  Prevent spillage from entering drains or water ways.  Contain spill with sand, earth or vermiculite.  Collect recoverable product into labelled containers for recycling.  Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.  Wash area and prevent runoff into drains or waterways.  If contamination of drains or waterways occurs, advise emergency services.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

# **SECTION 7 HANDLING AND STORAGE**

Precautions	for	safe	handling	

	Avoid all personal contact, including inhalation.
	▶ Wear protective clothing when risk of exposure occurs.
	▶ Use in a well-ventilated area.
	▶ Prevent concentration in hollows and sumps.
	► DO NOT enter confined spaces until atmosphere has been checked.
	DO NOT allow material to contact humans, exposed food or food utensils.
	► Avoid contact with incompatible materials.
Safe handling	▶ When handling, <b>DO NOT</b> eat, drink or smoke.
	▶ Keep containers securely sealed when not in use.
	► Avoid physical damage to containers.
	▶ Always wash hands with soap and water after handling.
	▶ Work clothes should be laundered separately. Launder contaminated clothing before re-use.
	▶ Use good occupational work practice.
	▶ Observe manufacturer's storage and handling recommendations contained within this SDS.
	<ul> <li>Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>
Other information	Store between 10 and 25 deg. C.
Other information	Do not store in direct sunlight.

# Conditions for safe storage, including any incompatibilities

Suitable container	<ul> <li>DO NOT repack. Use containers supplied by manufacturer only.</li> <li>Check that containers are clearly labelled and free from leaks</li> </ul>	
Storage incompatibility	► Avoid storage with reducing agents.	

# SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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#### **Control parameters**

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

#### **EMERGENCY LIMITS**

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3		
Gingival Barrier	Not Available	Not Available	Not Available	Not Available		
Ingredient	Original IDLH		Revised IDLH			
acrylic monomer	Not Available	Not Available		Not Available		

#### MATERIAL DATA

#### **Exposure controls**

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use.

Employers may need to use multiple types of controls to prevent employee overexposure.

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.

#### Appropriate engineering controls

Type of Contaminant:	Air Speed:
solvent, vapours, degreasing etc., evaporating from tank (in still air).	0.25-0.5 m/s (50-100 f/min)
aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)	0.5-1 m/s (100-200 f/min.)
direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)
grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).	2.5-10 m/s (500-2000 f/min.)

Within each range the appropriate value depends on:

Lower end of the range	Upper end of the range
1: Room air currents minimal or favourable to capture	1: Disturbing room air currents
2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity
3: Intermittent, low production.	3: High production, heavy use
4: Large hood or large air mass in motion	4: Small hood-local control only

Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.

#### Personal protection









No special equipment for minor exposure i.e. when handling small quantities.

#### OTHERWISE:

Safety glasses with side shields.

#### Eve and face protection

► Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eve redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]

#### Skin protection

See Hand protection below

#### Hands/feet protection

- ▶ Wear chemical protective gloves, e.g. PVC.
- Wear safety footwear or safety gumboots, e.g. Rubber
- ▶ Rubber Gloves

#### **Body protection** See Other protection below

# Other protection

No special equipment needed when handling small quantities.

# OTHERWISE:

- Overalls.
- ▶ Barrier cream.
- ► Eyewash unit.

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Thermal hazards Not Available

# **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Information	on	hasic	nh	vsical	and	chemical	properties	
minormation	011	Dasic		yordar	anu	Circillical	properties	

Appearance	Blue coloured viscous/ flowable paste with ester-like odour.		
Physical state	Free-flowing Paste	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

# **SECTION 10 STABILITY AND REACTIVITY**

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

# **SECTION 11 TOXICOLOGICAL INFORMATION**

# Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).  Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.			
Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification s animal or human evidence. The material may still be damaging to the health of kidney) damage is evident. Present definitions of harmful or toxic substances an morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nau quantities is not thought to be cause for concern.	the individual, following ingestion, especially where pre-existing organ (e.g liver e generally based on doses producing mortality rather than those producing		
Skin Contact	Limited evidence exists, or practical experience predicts, that the material either following direct contact, and/or produces significant inflammation when applied to being present twenty-four hours or more after the end of the exposure period. Stresult in a form of contact dermatitis (nonallergic). The dermatitis is often charact progress to blistering (vesiculation), scaling and thickening of the epidermis. At the skin (spongiosis) and intracellular oedema of the epidermis.	. to the healthy intact skin of animals, for up to four hours, such inflammation kin irritation may also be present after prolonged or repeated exposure; this may cterised by skin redness (erythema) and swelling (oedema) which may		
Еуе	Limited evidence exists, or practical experience suggests, that the material may produce significant ocular lesions which are present twenty-four hours or more eye contact may cause inflammation characterised by temporary redness (similar and/or other transient eye damage/ulceration may occur.	after instillation into the eye(s) of experimental animals. Repeated or prolonged		
Chronic	There exists limited evidence that shows that skin contact with the material is call individuals, and/or of producing positive response in experimental animals.	apable either of inducing a sensitisation reaction in a significant number of		
	TOVICITY	IDDITATION		
Gingival Barrier	TOXICITY  Not Available	IRRITATION  Not Available		
Legend:	Nalue obtained from Europe ECHA Registered Substances - Acute toxicity 2.     extracted from RTECS - Register of Toxic Effect of chemical Substances	* Value obtained from manufacturer's SDS. Unless otherwise specified data		

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	_		_
Acute Toxicity	0	Carcinogenicity	0
Skin Irritation/Corrosion	0	Reproductivity	0
Serious Eye Damage/Irritation	0	STOT - Single Exposure	0
Respiratory or Skin sensitisation	<b>✓</b>	STOT - Repeated Exposure	0
Mutagenicity	0	Aspiration Hazard	0

Legend:

★ - Data available but does not fill the criteria for classification

Data required to make classification available

O - Data Not Available to make classification

#### **SECTION 12 ECOLOGICAL INFORMATION**

#### Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
Not Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Legend:	Aquatic Toxicity Data (Estima	cicity Data 2. Europe ECHA Registere tted) 4. US EPA, Ecotox database - A TI (Japan) - Bioconcentration Data 8.	quatic Toxicity Data 5. ECETOC		

#### DO NOT discharge into sewer or waterways.

#### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients

#### **Bioaccumulative potential**

Ingredient	Bioaccumulation
	No Data available for all ingredients

#### Mobility in soil

Ingredient	Mobility
	No Data available for all ingredients

#### **SECTION 13 DISPOSAL CONSIDERATIONS**

### Waste treatment methods

Product / Packaging	Consult State Land Waste Management Authority for disposal.
disposal	Bury residue in an authorised landfill.

#### **SECTION 14 TRANSPORT INFORMATION**

# **Labels Required**

Marine Pollutant	NO
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Land transport (TDG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

# **SECTION 15 REGULATORY INFORMATION**

#### Safety, health and environmental regulations / legislation specific for the substance or mixture

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

National Inventory	Status
Australia - AICS	Υ
Canada - DSL	Υ
Canada - NDSL	Υ
China - IECSC	Υ
Europe - EINEC / ELINCS / NLP	Y

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Japan - ENCS	Y
Korea - KECI	Υ
New Zealand - NZIoC	Υ
Philippines - PICCS	Υ
USA - TSCA	Y
Legend:	Y = All ingredients are on the inventory  N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

#### **SECTION 16 OTHER INFORMATION**

#### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by SDI Limited using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### **Definitions and abbreviations**

PC-TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit。

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors BEI: Biological Exposure Index

The information contained in the Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.

Other information:

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