

# **Riva Coat**

### **SDI Limited**

Version No: **51.1.1** Safety Data Sheet according to WHS and ADG requirements Issue Date: **18/03/2016** Print Date: **22/03/2016** Initial Date: **Not Available** L.GHS.AUS.EN

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### **Product Identifier**

Product name	Riva Coat
Synonyms	Not Available
Other means of identification	Not Available

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

Relevant identified uses Dental professional use: For the protection of glass-ionomer cement from dehydration.

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

Registered company name	SDI Limited	SDI Brazil Industria E Comercio Ltda	SDI Germany GmbH
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### Emergency telephone number

SDI Limited	Not Available	Not Available
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ray.cahill@sdi.com.au	Not Available	Not Available
Not Available		
+61 3 8727 7111 Not Available		

### **SECTION 2 HAZARDS IDENTIFICATION**

### Classification of the substance or mixture

# HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable
Classification <sup>[1]</sup>	Skin Sensitizer Category 1
Legend:	1. Classification by vendor; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

Label elements

GHS label elements	
SIGNAL WORD	WARNING
Hazard statement(s)	
H317	May cause an allergic skin reaction.
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

P363	Wash contaminated clothing before reuse.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

### Precautionary statement(s) Storage

Not Applicable

### Precautionary statement(s) Disposal

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Substances

See section below for composition of Mixtures

# Mixtures

CAS No	%[weight]	Name
Not Available	100	acrylic monomer

### **SECTION 4 FIRST AID MEASURES**

### Description of first aid measures

Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Wash out immediately with fresh running water.</li> <li>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.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	<ul> <li>If skin contact occurs:</li> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>
Inhalation	<ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor, without delay.</li> </ul>
Ingestion	<ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> <li>Seek medical attention.</li> </ul>

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# SECTION 5 FIREFIGHTING MEASURES

### Extinguishing media

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

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### **Riva Coat**

Fire Incompatibility	None known	
Advice for firefighters		
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>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> <li>May emit corrosive fumes.Decomposes on heating and produces; carbon dioxide (CO2) carbon monoxide (CO)</li> </ul>	

### SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Minor Spills	<ul> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li> <li>Wipe up.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>
Major Spills	<ul> <li>Moderate hazard.</li> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Stop leak if safe to do so.</li> <li>Contain spill with sand, earth or vermiculite.</li> <li>Collect recoverable product into labelled containers for recycling.</li> <li>Neutralise/decontaminate residue (see Section 13 for specific agent).</li> <li>Collect solid residues and seal in labelled drums for disposal.</li> <li>Wash area and prevent runoff into drains.</li> <li>After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.</li> <li>If contamination of drains or waterways occurs, advise emergency services.</li> </ul>

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

### SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

Safe handling	<ul> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Avoid contact with moisture.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> <li>Keep containers securely sealed when not in use.</li> <li>Avoid physical damage to containers.</li> <li>Always wash hands with scap and water after handling.</li> <li>Work clothes should be laundered separately. Launder contaminated clothing before re-use.</li> <li>Use good occupational work practice.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>
Other information	Store in a dry and well ventilated-area, away from heat and sunlight. Store between 10 and 25 deg. C. Store away from sources of heat or ignition / naked lights.

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	<ul> <li>Avoid storage with reducing agents.</li> <li>Avoid strong acids, acid chlorides, acid anhydrides and chloroformates.</li> </ul>

# SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control parameters**

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

### INGREDIENT DATA

Not Available

# EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
Riva Coat	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
acrylic monomer	Not Available	Not Available

MATERIAL DATA

# Exposure controls

Appropriate engineering controls	1: Room air currents minimal or favourable to capture     2: Contaminants of low toxicity or of nuisance value only	high level of protection. In the worker and ventilation that stra ad properly. The design of a ventilation r SAA approved respirator. Correct innants generated in the workplace to effectively remove the contaminant ers, welding, spray drift, plating lischarge (active generation into elocity into zone of very high rapid Upper end of the range 1: Disturbing room air currents 2: Contaminants of high toxicity	itegically "adds" and on system must match fit is essential to obtain possess varying
	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 ex of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point (in simple cases).	nt should be adjusted, accordingly,	
Personal protection	distance from the contaminating source. The air velocity at the extraction fan, for example, should be solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considera apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more whe	ations, producing performance defic	its within the extraction
Personal protection	<ul> <li>solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considera apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when the extraction point. Other mechanical consideration apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when the extraction point. Safety glasses with side shields.</li> <li>Safety glasses with side shields.</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irrillenses or restrictions on use, should be created for each workplace or task. This should include chemicals in use and an account of injury experience. Medical and first-aid personnel should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove at the first signs of eye redness or irritation - lens should be removed in a clean environment on the should be removed in a clean environment</li></ul>	ations, producing performance defic en extraction systems are installed of itants. A written policy document, de e a review of lens absorption and ad e trained in their removal and suitab e contact lens as soon as practicabl	its within the extraction r used. escribing the wearing of Isorption for the class of le equipment should be e. Lens should be remove
	<ul> <li>solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considera apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when the extraction point. Other mechanical consideration apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when the extraction point. Safety glasses with side shields.</li> <li>Safety glasses with side shields.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irrillenses or restrictions on use, should be created for each workplace or task. This should include chemicals in use and an account of injury experience. Medical and first-aid personnel should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove</li> </ul>	ations, producing performance defic en extraction systems are installed of itants. A written policy document, de e a review of lens absorption and ad e trained in their removal and suitab e contact lens as soon as practicabl	its within the extraction r used. escribing the wearing of Isorption for the class of le equipment should be e. Lens should be remove
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Eye and face protection Skin protection Hands/feet protection	<ul> <li>solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considera apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when the extraction point. Other mechanical consideration apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when the extraction point. Solvents generated in a tank 2 meters distant from the extraction point. Other mechanical consideration apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when the extraction point. Solvents generated in a tank 2 meters of the extractions on use, should be created for each workplace or task. This should include chemicals in use and an account of injury experience. Medical and first-aid personnel should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remover at the first signs of eye redness or irritation - lens should be removed in a clean environment on Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> <li>See Hand protection below</li> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> <li>Rubber Gloves</li> </ul>	ations, producing performance defic en extraction systems are installed of itants. A written policy document, de e a review of lens absorption and ad e trained in their removal and suitab e contact lens as soon as practicabl	its within the extraction r used. escribing the wearing of isorption for the class of le equipment should be e. Lens should be remove

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

Appearance	Clear, pale yellow slightly viscous liquid with ester-like odour, does not mix with water.		
Physical state	Liquid	Relative density (Water = 1)	1.15

#### Partition coefficient Odour Not Available Not Available n-octanol / water Auto-ignition temperature Odour threshold Not Available Not Available (°C) Decomposition temperature pH (as supplied) Not Available Not Available Melting point / freezing Not Available Viscosity (cSt) Not Available point (°C) Initial boiling point and Gel before boiling Molecular weight (g/mol) Not Applicable boiling range (°C) Flash point (°C) Not Available Taste Not Available Evaporation rate Not Available Not Available Explosive properties Flammability Not Available **Oxidising properties** Not Available Surface Tension (dyn/cm or Upper Explosive Limit (%) Not Available Not Available mN/m) Volatile Component (%vol) Lower Explosive Limit (%) Not Available Not Available Vapour pressure (kPa) Not Available Not Available Gas group Solubility in water (g/L) Immiscible 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	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
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

Mutagenicity

0

Inhaled	Limited evidence exists, or practical experience predicts, that following inhalation.	t the material produ	uces irritation of the	e respiratory system in a significant number of individuals
Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.			
Skin Contact	Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), scaling and thickening of the epidermis. At the microscopic level there may be intercellular oedema of the spongy layer of the skin (spongiosis) and intracellular oedema of the epidermis.			
Eye	Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Repeated or prolonged eye contact may cause inflammation characterised by temporary redness (similar to windburn) of the conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur.			
Chronic	Practical experience shows that skin contact with the materia of producing a positive response in experimental animals.	I is capable either o	of inducing a sens	itisation reaction in a substantial number of individuals, and/or
	ΤΟΧΙΟΙΤΥ		IRRITATION	
Riva Coat	Not Available		Not Available	
Legend:	<ol> <li>Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances</li> </ol>			
	•			
Acute Toxicity	0	С	arcinogenicity	0
Skin Irritation/Corrosion	0	F	Reproductivity	0
Serious Eye Damage/Irritation	$\otimes$	STOT - Sir	ngle Exposure	$\otimes$
Respiratory or Skin sensitisation	*	STOT - Repea	ated Exposure	0

Aspiration Hazard

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#### **Riva Coat**

Legena: Data available but does not im the oncome of - Data required to make classification available

 Image: A state of the oncome of the on - שמנם מימוומטוש טענ עטשט דוטג וווו נו וש כדונפרום וטר כומסטוונכמנוטרו

N - 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	xicity Data 2. Europe ECHA Registere ated) 4. US EPA, Ecotox database - A 'TI (Japan) - Bioconcentration Data 8.	quatic Toxicity Data 5. ECETO	, , ,	

### 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

### SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods	
Product / Packaging disposal	<ul> <li>DO NOT allow wash water from cleaning or process equipment to enter drains.</li> <li>It may be necessary to collect all wash water for treatment before disposal.</li> <li>In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>Where in doubt contact the responsible authority.</li> <li>Recycle wherever possible.</li> <li>Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.</li> <li>Dispose of by: burial in a land-fill specifically licenced to accept chemical and / or pharmaceutical wastes or incineration in a licenced apparatus (after admixture with suitable combustible material).</li> <li>Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.</li> </ul>

### **SECTION 14 TRANSPORT INFORMATION**

#### Labels Required

-	
Marine Pollutant	NO
HAZCHEM	Not Applicable

### Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

No Data available for all ingredients

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

National Inventory	Status
Australia - AICS	Y
Canada - DSL	Y
Canada - NDSL	Y
China - IECSC	Y
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	Y
Korea - KECI	Y

New Zealand - NZloC	Y
Philippines - PICCS	Y
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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Date of preparation/revision: 23rd September 2015

Department issuing SDS: Research and Development

Contact: Technical Director

