



Australia

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier	3M™ Scotch-Weld™ EC-9323 B/A (Part B)
Other Names	
Manufacturer's Product Code	FS-9100-5468-3, FS-9100-5470-9, 7000080437, 7000080439
Recommended Use	Structural adhesive.

Details of Supplier/Manufacturer

Company:	Penske Australia Pty Ltd
Address:	488 Blackshaw Road, Altona North, Victoria 3052
Phone:	(03) 9243 9292
Website:	www.penske.com.au

Emergency Telephone Numbers

All Hours:	1800 625 526
Poisons Information:	13 11 26

SECTION 2 HAZARDS IDENTIFICATION

Hazardous chemical	Hazardous chemical.
Non-dangerous goods	Not classified as a Dangerous Good.

Signal Word	Warning
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Hazardous chemical classification	Pictogram	Hazard statement
Serious Eye Damage/Eye Irritation Skin Corrosion/Irritation Skin Sensitization Hazardous to the Aquatic Environment (Chronic)		H319 Causes serious eye irritation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

GENERAL	None
PREVENTATIVE P280E	Wear protective gloves

P273	Avoid release to the environment.
RESPONSE P305+P351+P338 P333+P313	IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs get medical advice/attention.
DISPOSAL P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients Names and Proportions

Chemical Entity	CAS Number	Proportion (%)
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	70 – 80
Acrylic copolymer	Trade Secret	10 – 20
Calcium Carbonate	471-34-1	5 – 10
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	1 – 5
Silane, triethoxy[3- (oxiranylmethoxy)propyl]-	2602-34-8	< 1

SECTION 4 FIRST AID MEASURES

Description of necessary first aid measures

Inhalation:	Remove person to fresh air. If you feel unwell, get medical attention.
Skin Contact:	Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.
Eye Contact:	Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.
Ingestion:	Rinse mouth. If you feel unwell, get medical attention.

Symptoms caused by exposure

See Section 11.1 Information on toxicological effects.

Medical attention and special treatment

Not applicable.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing equipment

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

Specific hazards arising from the chemical

None inherent in this product.

**Hazardous Decomposition or By-Products
Substance Condition**

Aldehydes.	During combustion.
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.

Special protective equipment and precautions for fire fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Environmental precautions

Avoid release to the environment.

Methods and materials for containment and cleaning up

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Avoid breathing of dust created by cutting, sanding, grinding or machining. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

Conditions for safe storage, including any incompatibilities

Store away from acids. Store away from oxidising agents. Store away from amines.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures

No information available.

Biological monitoring

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

Individual protection measures

Upper/lower flammability or explosive limits (%):	No data available.
Vapour pressure (mmHg @ 20°C):	No data available.
Vapour density (@ 20°C):	No data available.
Density:	1.16 - 1.2 g/ml
Solubility:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature (°C):	No data available.
Decomposition temperature (°C):	No data available.
Viscosity:	1,000 - 2,000 Pa-s [@ 23 °C]

SECTION 10 STABILITY AND REACTIVITY

Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

Chemical stability

Stable.

Possibility of hazardous reactions

Hazardous polymerisation will not occur.

Conditions to avoid

Avoid curing large quantities of material to prevent a premature reaction (exotherm) with production of intense heat and smoke.
Sparks and/or flames.

Incompatible materials

Amines.
Strong acids.
Strong oxidising agents.

Hazardous decomposition products

None know. Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity:	No data available; calculated ATE >5,000 mg/kg
Skin corrosion/irritation:	Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching
Serious eye damage/irritation:	Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
Respiratory or skin sensitisation:	Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
Germ cell mutagenicity:	Some positive data exist, but the data are not sufficient for classification
Carcinogenicity:	Some positive data exist, but the data are not sufficient for classification

Reproductive toxicity:	Not classified.
Specific Target Organ Toxicity (STOT) – single exposure:	Not classified.
Specific Target Organ Toxicity (STOT) – repeated exposure:	Not classified.
Aspiration hazard:	For the component/components, either no data is currently available or the data is not sufficient for classification.
Other information:	Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

Acute Toxicity

Material	CAS#	Organism	Type	Exposure	Test endpoint	Test Result
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Rainbow trout	Estimated	96 hours	LC50	2 mg/l
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Water flea	Estimated	48 hours	EC50	1.8 mg/l
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Green algae	Experimental	72 hours	EC50	<11 mg/l
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Green algae	Experimental	72 hours	NOEC	4.2 mg/l
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Water flea	Experimental	21 days	NOEC	0.3 mg/l
Acrylic copolymer	Trade secret		Data not available or insufficient for classification			
Calcium Carbonate	471-34-1	Green algae	Experimental	72 hours	EC50	>100 mg/l
Calcium Carbonate	471-34-1	Rainbow trout	Experimental	96 hours	LC	>100 mg/l
Calcium Carbonate	471-34-1	Water flea	Experimental	48 hours	EC50	>100 mg/l
Calcium Carbonate	471-34-1	Green algae	Experimental	72 hours	Effect Concentration 10%	>100 mg/l

Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Data not available or insufficient for classification				
Silane, triethoxy[3-(oxiranylmethoxy)propyl]-	2602-34-8	Green algae	Experimental	72 hours	EC50	>100 mg/l
Silane, triethoxy[3-(oxiranylmethoxy)propyl]-	2602-34-8	Water flea	Experimental	48 hours	EC50	>100 mg/l
Silane, triethoxy[3-(oxiranylmethoxy)propyl]-	2602-34-8	Zebra fish	Experimental	96 hours	LC50	>100 mg/l
Silane, triethoxy[3-(oxiranylmethoxy)propyl]-	2602-34-8	Green algae	Experimental	72 hours	NOEC	>100 mg/l

Persistence and degradability

Material	CAS Nbr	Test Type	Duration	Study Type	Test result	Protocol
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Experimental Hydrolysis		Hydrolytic half-life	117 hours (t 1/2)	Other methods
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Experimental Biodegradation	28 days	BOD	5 %BOD/COD	OECD 301F – Manometric respirometry
Acrylic copolymer	Trade Secret	Data not available or insufficient			NA	
Calcium Carbonate	471-34-1	Data not available or insufficient			NA	
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Data not available or insufficient			NA	
Silane, triethoxy[3-(oxiranylmethoxy)propyl]-	2602-34-8	Experimental Hydrolysis		Hydrolytic half-life	36 hours (t 1/2)	Other methods
Silane, triethoxy[3-(oxiranylmethoxy)propyl]-	2602-34-8	Experimental Biodegradation	28 days	BOD	53 % BOD/ThBOD	OECD 301F – Manometric respirometry

Bioaccumulative potential

Material	Cas No.	Test Type	Duration	Study Type	Test results	Protocol
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Experimental Bioconcentration		Log Kow	3.242	Other methods
Acrylic copolymer	Trade Secret	Data not available or insufficient for classification	NA	NA	NA	NA
Calcium Carbonate	471-34-1	Data not available or insufficient for classification	NA	NA	NA	NA

Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Data not available or insufficient for classification	NA	NA	NA	NA
Silane, triethoxy[3-(oxiranylmethoxy)propyl]-	2602-34-8	Estimated Bioconcentration		Bioaccumulation factor	2.5	Estimated: Bioconcentration factor

Mobility in soil

Please contact manufacturer for more details.

Other adverse effects

This material does not contain any substances that are assessed to be a PBT or vPvB

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances
 20 01 27* Paint, inks, adhesives and resins containing dangerous substances

SECTION 14 TRANSPORT INFORMATION

UN number:	3077
Proper shipping name:	No data available.
Australian Dangerous Goods class:	9
Australian Dangerous Goods packing group:	III
Hazchem code:	No data available.

SECTION 15 REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	No additional information available.
Australian Inventory of Chemical Substances (AICS):	No additional information available.
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	No additional information available.

SECTION 16 OTHER INFORMATION

Manufacturer:	3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT. +44 (0)1344 858 000 tox.uk@mmm.com www.3M.com/uk
Date of preparation:	04/09/2019
Revision number:	19.01
Changes in this revision:	No additional information available.

This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. The supplier cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. The supplier makes no warranties, express or implied, and assumes no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact the supplier.
