



Australia

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier	3M Scotch-Weld™ EC-9323 B/A (Part A)
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	Danger
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Hazardous chemical classification	Pictogram	Hazard statement
Serious Eye Damage/Eye Irritation Skin Corrosion/Irritation Skin Sensitization		H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction.

Precautionary statements

GENERAL	None
PREVENTATIVE P260B	Do not breath dust.

P280D	Wear protective gloves, protective clothing and eye/face protection.
RESPONSE P303+P361+P353 A P305+351+P338 P310 P333+P313	IF ON SKIN (or hair) take off immediately all contaminated clothing. Rinse skin with water or shower, IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call POISON CENTRE or doctor/physician. If skin irritation or rash occurs get medical advice/attention.
DISPOSAL	None

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients Names and Proportions

Chemical Entity	CAS Number	Proportion (%)
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	4246-51-9	60 – 80
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	7 – 13
Synthetic amorphous silica, fumed, crystalline-free	112945-52-5	5 – 10
Bis[(dimethylamino)methyl]phenol	71074-89-0	<3

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 flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.
Eye Contact:	Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.
Ingestion:	Rinse mouth. Do not induce vomiting. Get immediate 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

Use a fire fighting agent suitable for the surrounding fire.

Specific hazards arising from the chemical

None inherent in this product.

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 breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Store away from heat. Store away from acids. Store away from oxidising agents.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures

In addition, refer to the annex for more information.

Biological monitoring

No data available.

Engineering controls

Curing enclosures must be exhausted to outdoors or to a suitable emission control device. 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. Provide appropriate local exhaust ventilation for cutting, grinding, sanding or machining.

Individual protection measures

Eye and face protection:	Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Full face shield. Indirect vented goggles.
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Skin Protection:	Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Gloves made from Nitrile rubber. If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron – Nitrile
Respiratory protection:	An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure: Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates
Thermal hazards:	None.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, red.
Odour:	Amine.
Odour threshold (ppm):	No data available.
pH:	Not applicable.
Melting point/freezing point (°C):	Not applicable.
Initial boiling point and boiling range (°C):	>=100 °C
Flash point (°C):	>=100 °C [<i>Test Method:Closed Cup</i>]
Evaporation rate (Butyl acetate = 1):	No data available.
Flammability:	Not classified
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:	1.04 - 1.08 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:	10 - 25 Pa-s [<i>@ 23 °C</i>]

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.

Heat.

Sparks and/or flames.

Incompatible materials

Strong oxidising agents.

Hazardous decomposition products

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

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity:	May be harmful if swallowed. Gastrointestinal corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea; blood in the faeces and/or vomitus may also be seen.
Skin corrosion/irritation:	May be harmful in contact with skin. Corrosive (skin burns): Signs/symptoms may include localised redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.
Serious eye damage/irritation:	Corrosive (eye burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of 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:	Not mutagenic.
Carcinogenicity:	Some positive data exist, but the data are not sufficient for classification.
Reproductive toxicity:	Not classified.
Specific Target Organ Toxicity (STOT) – single exposure:	Some positive data exist, but the data are not sufficient for classification.
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:	No additional information available.

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
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	4246-51-9	Golden Orfe	Experimental	96 hours	LC50	>1,000 mg/l
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	4246-51-9	Green algae	Experimental	72 hours	EC50	>500 mg/l
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	4246-51-9	Water flea	Experimental	48 hours	EC50	218.16 mg/l
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	4246-51-9	Green algae	Experimental	72 hours	Effect Concentration 10%	5.4 mg/l
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	Common Carp	Experimental	96 hours	LC50	175 mg/l
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	Grass Shrimp	Experimental	72 hours	LC50	718 mg/l
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	Green algae	Experimental	72 hours	EC50	84 mg/l
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	Green algae	Experimental	72 hours	NOEC	6.25 mg/l
Synthetic amorphous silica, fumed, crystalline-free	112945-52-5	Green algae	Experimental	72 hours	EC50	>100 mg/l
Synthetic amorphous silica, fumed, crystalline-free	112945-52-5	Water Flea	Experimental	24 hours	EC50	>100 mg/l
Synthetic amorphous silica, fumed, crystalline-free	112945-52-5	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
Synthetic amorphous silica, fumed, crystalline-free	112945-52-5	Green algae	Experimental	72 hours	NOEC	60 mg/l
Bis[(dimethylamino)methyl]phenol	71074-89-0		Data not available or insufficient for classification			

Persistence and degradability

Material	CAS Nbr	Test Type	Duration	Study Type	Test result	Protocol
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	4246-51-9	Estimated Photolysis		Photolytic half-life (in air)	2.96 hours (t _{1/2})	Other methods
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	4246-51-9	Experimental Biodegradation	25 days	CO ₂ evolution	-8 %CO ₂ evolution/THC O ₂ evolution	OECD 301B - Modified sturm or CO ₂
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	Experimental Biodegradation	28 days	BOD	4 % weight	OECD 301D - Closed bottle test

Synthetic amorphous silica, fumed, crystalline-free	112945-52-5	Data not available - insufficient			NA	
Bis[(dimethylamino)methyl]phenol	71074-89-0	Estimated Biodegradation 28	28 days	BOD	20 % weight	OECD 301C - MITI test (I)

Bioaccumulative potential

Material	Cas No.	Test Type	Duration	Study Type	Test results	Protocol
3,3'-Oxybis(ethyleneoxy)bis(propylamine)	4246-51-9	Experimental Bioconcentration		Log Kow	-1.25	Other methods
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	Experimental Bioconcentration		Log Kow	-0.66	Other methods
Synthetic amorphous silica, fumed, crystalline-free	112945-52-5	Data not available or insufficient for classification	NA	NA	NA	NA
Bis[(dimethylamino)methyl]phenol	71074-89-0	Estimated Bioconcentration		Lod Kno	-2.35	Estimated: Octanol-water partition coefficient

Mobility in soil

Please contact manufacturer for more details.

Other adverse effects

No additional information available.

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. If no other disposal options are available, waste product that has been completely cured or polymerised may be placed in a landfill properly designed for industrial waste. 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:	3259
Proper shipping name:	Amines, Solid
Australian Dangerous Goods class:	8
Australian Dangerous Goods packing group:	II
Hazchem code:	No additional information 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:	20/09/2019
Revision number:	18.01
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.
