

A **NEW FORCE** IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

ISSUED OCTOBER 2021 (VALID 5 YEARS FROM THE DATE OF ISSUE)

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

SUPPLIER	CHEMTOOLS PTY LTD	PHONE	1300 738 250 (Business Hours)
ADDRESS	Unit 2, 14 – 16 Lee Holm Road	FAX	02 9623 3670
	ST MARYS NSW 2760	WEBSITE	www.chemtools.com.au

PRODUCT NAME	Rapidstick™ 8-103Z Polyurethane Adhesive (Plastic & Wood Bonding) – Part A			
PART NUMBER	8-103Z PRODUCT TYPE Adhesive		esive	
PRODUCT USE	Bonding a variety of surfaces			
CREATION DATE	September 2021	LATEST REVISION DATE Refer to date of issue above		Refer to date of issue above

SECTION 2: HAZARDS IDENTIFICATION

Statement of Hazardous Nature	Classified as HAZARDOUS according to the criteria of the Globally Harmonised	
	System of Classification and Labelling of Chemicals (GHS).	
SUSMP Classification	Schedule 6	
ADG Classification	NOT classified as DANGEROUS GOODS by the criteria of the Australian	Code for
	the Transport of Dangerous Goods by Road & Rail and the New Zealar	nd NZS5433:
	Transport of Dangerous Goods on Land	
GHS Signal Word	DANGER	
GHS Hazard Pictograms		

HAZARDOUS CLASSIFICATIONS

Specific Target Organ Toxicity (Single Exposure)	Category 3 Respiratory Tract Irritation
Acute Toxicity - Inhalation	Category 4
Skin Corrosion / Irritation	Category 2
Eye Damage / Irritation	Category 2A
Sensitisation – Respiratory	Category 1
Sensitisation – Skin	Category 1
Carcinogenicity	Category2

HAZARD STATEMENTS

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.



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H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

PREVENTION PRECAUTIONARY STATEMENTS

P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust, fume, gas, mist, vapours or spray.
P264	Wash hands, face and all exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing including eye/face protection and suitable respirator.
P284	In case of inadequate ventilation wear respiratory protection.

RESPONSE PRECAUTIONARY STATEMENTS

If medical advice is needed, have product container or label at hand.	
IF ON SKIN: Wash with plenty of water and soap.	
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position	
comfortable for breathing.	
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and	
easy to do. Continue rinsing.	
Call a POISONS CENTRE or doctor if you feel unwell.	
In skin irritation or rash occurs: Get medical advice/attention.	
If eye irritation persists: Get medical advice/attention.	
If experiencing respiratory symptoms: Call a POISONS CENTRE or doctor/physician	
Take off contaminated clothing and wash before reuse.	

STORAGE PRECAUTIONARY STATEMENTS

P403+P233	Store in a well ventilated place. Keep container tightly closed.	
P405	Store locked up.	

DISPOSAL PRECAUTIONARY STATEMENTS

P501	Dispose of contents/container in accordance with local, regional, national and international
	regulations.



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Chemical Entity	CAS Number	Proportion
Castor oil, polymer with 1,1'-methylenebis[4-isocyanatobenzene]	68424-09-9	>60% (w/w)
4, 4' - diphenylmethane diisocyanate (MDI) 101-68-8 1 – 10% (1-10% (w/w)
Other ingredients not considered to be hazardous rounding to 100%		

SECTION 4: FIRST AID MEASURES

Inhalation Effects may be delayed. Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice. Skin Contact Effects may be delayed. If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital. Eye Contact If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital. Ingestion Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice. PPE for First Aiders PPE for First Aiders PPE for sylvalia and sylvalia and sylvaliable information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective	General Advice	If poisoning occurs, contact a doctor or Poisons Information Centre (Australia 13
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Equipment before storing of re-using.		equipment before storing or re-using.
Notes to Physician Treat symptomatically. Effects may be delayed.	Notes to Physician	



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SECTION 5: FIRE FIGHTING MEASURES

Hazchem Code	Not applicable.
Suitable Extinguishing Media	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
Specific Hazards	Combustible material.
Fire Fighting Further Advice	On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spills	Wear protective equipment to prevent skin and eye contamination. Avoid		
	inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels).		
	Collect and seal in properly labelled containers or drums for disposal.		
Large Spills	Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents,		
	clean up immediately. Wear protective equipment to prevent skin and eye		
	contamination and the inhalation of vapours. Work up wind or increase		
	ventilation. Contain - prevent run off into drains and waterways. Use absorbent		
	(soil, sand or other inert material). Collect and seal in properly labelled containers		
	or drums for disposal. If contamination of crops, sewers or waterways has		
	occurred advise local emergency services.		
Dangerous Goods Initial	Not applicable.		
Emergency Response Guide			

SECTION 7: HANDLING AND STORAGE

Handling	Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.
Storage	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.
	This material is a Scheduled Poison Schedule 6 (Poison) and must be stored,
	maintained and used in accordance with the relevant regulations.



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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Chemical Entity	TWA (ppm)	TWA (mg/m³)	STEL (ppm)	STEL (mg/m³)	Notices
Methylene bisphenyl isocyanate (MDI)					

As published by Safe Work Australia.

TWA: The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values	As per the National Model Regulations for the Control of Workplace Hazardous Substances	
	(Safe Work Australia) the ingredients in this material do not have a Biological Limit	
	Allocated	
Engineering Measures	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards.	
	Use only in well ventilated areas. Use with local exhaust ventilation or while wearing	
	appropriate respirator. Vapour heavier than air - prevent concentration in hollows or	
	sumps. Do NOT enter confined spaces where vapour may have collected.	
Personal Protection	SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES. Personal protective equipment	
Equipment	(PPE) must be suitable for the nature of the work and any hazard associated with the work	
	as identified by the risk assessment conducted.	
	Wear safety shoes, overalls, gloves, chemical goggles. Available information suggests that	
	gloves made from nitrile rubber should be suitable for intermittent contact. However, due	
	to variations in glove construction and local conditions, the user should make a final	
	assessment. Always wash hands before smoking, eating, drinking or using the toilet.	
	Wash contaminated clothing and other protective equipment before storing or re-using.	
Hygiene Measures	Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or	
	smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing.	
	Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure	
	that eyewash stations and safety showers are close to the workstation location.	



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SECTION 9: PHYSICAL AND CHEMCIAL PROPERTIES

Form	Liquid
Colour	Beige
Odour	Slightly musty odour
Solubility	Insoluble in water
Specific Gravity (20°C)	Not available
Relative Vapour Density (air = 1)	>1
Vapour Pressure (20°C)	Not available
Flash Point (°C)	> 200
Flammability Limits (%)	Not applicable
Auto Ignition Temperature	Not available
Melting Point/Range (°C)	> 200
Boiling Point/Range (°C)	Not available
рН	Not applicable
Viscosity	< 5 – 10 mmHg @25°C
Total VOC (g/Litre)	Not available

^{(*}typical: Typical values only. Consult specification sheet)

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	This material is thermally stable when stored and used as directed.		
Conditions to Avoid	Elevated temperatures and sources of ignition.		
Incompatible Materials	Oxidising agents.		
Hazardous Decomposition	Oxides of Carbon and Nitrogen, smoke and other toxic fumes.		
Products			
Hazardous Reactions	No known hazardous reactions.		

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and over-exposure occurs are:

ACUTE EFFECTS

Inhalation	Harmful if inhaled. Material is an irritant to mucous membranes and respiratory tract. A	
	respiratory sensitiser. Can cause possible allergic reactions.	
Skin Contact	Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact	
	may lead to allergic contact dermatitis.	
Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.	



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Eye Contact	An eye irritant.

ACUTE TOXICITY

Inhalation	This material has been classified as a Category 4 Hazard. Acute toxicity estimate	
	(based on ingredients): $10.0 < LC_{50} \le 20.0 \text{ mg/L}$ for vapours or $1.0 < LC_{50} \le 5.0 \text{ mg/L}$	
	for dust and mist.	
Skin Contact	This material has been classified as not hazardous for acute dermal exposure.	
	Acute toxicity estimate (based on ingredients): LD ₅₀ > 2,000 mg/Kg bw	
Ingestion	This material has been classified as not hazardous for acute ingestion exposure.	
	Acute toxicity estimate (based on ingredients): LD ₅₀ > 2,000 mg/Kg bw	
Corrosion/Irritancy	Eye: this material has been classified as a Category 2A Hazard (reversible effects to	
	eyes).	
	Skin: this material has been classified as a Category 2 Hazard (reversible effects to	
	skin).	
Sensitisation	<u>Inhalation:</u> This material has been classified as a Category 1 Hazard (respiratory	
	sensitiser).	
	Skin: This material has been classified as a Category 2 Hazard (reversible effects to	
	skin).	
Aspiration Hazard	This material has been classified as not an aspiration hazard.	
Specific Target Organ Toxicity	This material has been classified as a Category 3 Hazard. Exposure via inhalation	
(single exposure)	may result in respiratory irritation.	

CHRONIC TOXICITY

Mutagenicity	This material has been classified as not a mutagen.	
Carcinogenicity	This material has been classified as a Category 2 Hazard.	
Reproductive Toxicity	This material has been classified as not a reproductive toxicant.	
(including via lactation)		
Specific Target Organ Toxicity	This material has been classified as not a specific hazard to target organs by repeat	
(repeated exposure)	exposure.	

SECTION 12: ECOLOGICAL INFORMATION

General Information	Avoid contaminating waterways.	
Acute Aquatic Hazard	This material has been classified as not hazardous for acute aquatic exposure.	
	Acute toxicity estimate (based on ingredients): > 100 mg/L	
Long-Term Aquatic Hazard	This material has been classified as not hazardous for chronic aquatic exposure.	
	Non-rapidly or rapidly degradable substance for which there are adequate chronic	
	toxicity data available OR in the absence of chronic toxicity data, Acute toxicity	



A **NEW FORCE** IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

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	estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4
Ecotoxicity	No information available.
Persistence and Degradability	No information available.
Bioaccumulation Potential	No information available.
Mobility	No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

General Information	Persons conducting disposal, recycling or reclamation activities should ensure that
	appropriate personal protection equipment is used, see Section 8 of this SDS.
	If possible, material and its container should be recycled. If material or container
	cannot be recycled, dispose of in accordance with local, regional, national and
	international Regulations.

SECTION 14: TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the Australian Code for the Transport of dangerous Goods by Road & Rail and the New Zealand NZS5433: Transport of Dangerous of Goods on Land.

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15: REGULATORY INFORMATION

This material is not subject to	Montreal Protocol (Ozone depleting substances)
the following international	The Stockholm Convention (Persistent Organic Pollutants)
agreements:	The Rotterdam Convention (Prior Informed Consent)
	Basel Convention (Hazardous Waste)
	International Convention for the Prevention of Pollution from Ships (MARPOL)
This material/constituent(s) is	The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
covered by the following	established under the Therapeutic Goods Act (Commonwealth).
requirements:	AICIS Status: All components of this product are listed on or exempt from the
	Australian Inventory of Industrial Chemicals (AIIC).



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SECTION 16: OTHER INFORMATION

KEY/LEGEND	
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th
	Edition)
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service (Registry Number)
CO2	Carbon Dioxide
Hazchem Code	Emergency action code of numbers and letters that provide information to
	emergency services, especially firefighters.
IARC	International Agency for Research on Cancer
KG	Kilograms
LC50	LC stands for Lethal Concentration
LD50	LD stands for Lethal Dose
LT	Litres
N.O.S.	Not Otherwise Specified
NTP	National Toxicology Program (USA)
ppm	Parts per Million
STEL	Short Term Exposure Limit
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
SWA	Safe Work Australia, formerly ASCC and NOHSC
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN Number	United Nations Number

This SDS is prepared in accordance with the Safe Work Australia (SWA) document, entitled: Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice (February 2016).

This Safety Data Sheet (SDS) summarises our best knowledge of the Health and Safety Hazard information pertaining to this product, including how to safely handle and use the product in the workplace.

Each user must review this SDS in the context of the how the product will be handled and used. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Chemtools Pty Ltd, whereby we will attempt to obtain additional information from our suppliers.

Our responsibility for products sold is subject to our Terms and Conditions, a copy of which is sent to our customers and is also available upon request.

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