

in a	SAFETY DATA SHEET ccordance with 29 CFR 1910.1200, WHMIS 2022 and Safe Work Australia		
Revision date: 3 March 2			
SECTION 1: IDENTIFICATIO	N OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
1.1. Product identifier			
ARC BX2 (Part A) (GY, RD), A	RC BX5 (Part A) (GY, RD)		
1.2. Relevant identified uses	of the substance or mixture and uses advised against		
Relevant identified uses:	ARC Polymer Composite. Abrasion resistant two component coating, mixed and applied with a trowel.		
Uses advised against:	No information available		
Reason why uses advised a	gainst: Not applicable		
1.3. Details of the supplier o	f the safety data sheet		
Company:	Supplier:		
A.W. CHESTERTON COMPA	٧Y		
860 Salem Street Groveland, MA 01834-1507, L	SΔ		
Tel. +1 978-469-6446			
(Mon Fri. 8:30 - 5:00 PM ES			
SDS requests: www.chesterto			
E-mail (SDS questions): Produ E-mail: customer.service@che			
	Sterton.com		
Canada: A.W. Chesterton Cor Unit 105, Burlington, Ontario L			
1.4. Emergency telephone n	umber		
24 hours per day, 7 days per v	/eek		
Call Infotrac: 1-800-535-5053			
Outside N. America: +1 352-3 NSW Poisons Information Cer			
SECTION 2: HAZARDS IDEI			
2.1. Classification of the sub			
	ng to 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS		
Skin irritation, Category 2, H3 ⁻	-		
Skin sensitization, Category 2, 113			
Eye irritation, Category 2, H31	9		
Hazardous to the aquatic envi	ronment, Chronic, Category 3, H412		
2.1.2. Additional information			
For full text of H-statements: s	ee SECTIONS 2.2 and 16.		
2.2. Label elements			
Labeling according to 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS			
Hazard pictograms:	\wedge		
Signal word:	Warning		
Hazard statements:	H315 Causes skin irritation.		
nazara statements.	H317 May cause an allergic skin reaction.		
	H319 Causes serious eye irritation.		
	H412 Harmful to aquatic life with long lasting effects.		

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Precautionary statements:	P337/313 P362/364	Avoid breathing vapours. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves and eye/face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
	P501	Dispose of contents/container to an approved waste disposal plant.

Supplemental information: None

2.3. Other hazards

If vapors are produced, they will irritate the respiratory tract and cause coughing and labored breathing. The safety and health hazards are detailed separately for Part A and Part B. The final cured material is considered nonhazardous.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS					
3.2. Mixtures					
Hazardous Ingredients ¹	% Wt.	CAS No.	GHS Classification		
Epoxy resin (number average molecular weight <= 700)	10 - 15	1675-54-3*	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319** Aquatic Chronic 2, H411		
Epoxy resin (number average molecular weight <= 700)	3 - 7	9003-36-5**	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411		
Benzyl alcohol	1 - 5	100-51-6	Acute Tox. 4, H302/332 Eye Irrit. 2, H319		
Other ingredients:					
Aluminum oxide	55 - 65		Not classified***		
Silicon carbide	1 - 5	409-21-2	Not classified***		
Titanium dioxide	0.1 - 0.9	13463-67-7	Not classified***		
*Alternative CAS No: 25068-38-6. **Alternative CAS No: 28064-14-4.					

***Substance with a workplace exposure limit.

¹ Classified according to: 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F), WHMIS 2022, Safe Work Australia, GHS

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove to	fresh air. If not breathing, administer artificial respiration. Contact physician.	
Skin contact:	Remove contaminated clothing. Wash clothing before reuse. Wash skin with soap and water. Consult physician.		
Eye contact:	Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.		
Ingestion:	Wash out mouth with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Contact physician immediately.		
Protection of fir	st-aiders:	No action shall be taken involving any personal risk or without suitable training. Avoid contact with the product while providing aid to the victim. See section 8.2.2 for recommendations on personal protective equipment.	
4.2. Most important symptoms and effects, both acute and delayed			

Moderate eye and skin irritant. May cause skin sensitization as evidenced by rashes or hives. If vapors are produced, they will irritate the respiratory tract and cause coughing and labored breathing.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

Date: 3 March 2025

SECTION 5: FIRE-FIGHTING MEAS	JONEO					
5.1. Extinguishing media						
Suitable extinguishing media:	Carbon dioxide,	dry chemical, fo	oam or water fog			
Unsuitable extinguishing media:	None known					
5.2. Special hazards arising from t	he substance o	r mixture				
Hazardous combustion products:	Carbon mono	oxide, carbon di	oxide, benzaldeł	nyde.		
	rupture from gas iter drains or wat		n exposed to int	ense heat. Do n	ot allow runoff f	from
5.3. Advice for firefighters						
Cool exposed containers with water.	Recommend Fire	efighters wear s	elf-contained bre	eathing apparatu	s.	
Australian HAZCHEM Emergency	Action Code:	2 Z				
SECTION 6: ACCIDENTAL RELEA	SE MEASURES					
5.1. Personal precautions, protecti			procedures			
Avoid skin contact. Utilize exposure o			-	ection 8.		
.2. Environmental Precautions	F					
Keep out of sewers, streams and wa	terways					
6.3. Methods and material for cont	2					
5.5. Methous and material for cont		•				
Secon up and transfer to a quitable a	ontainer for disp	581.				
6.4. Reference to other sections						
6.4. Reference to other sections	e.					
6.4. Reference to other sections Refer to section 13 for disposal advic SECTION 7: HANDLING AND STO						
6.4. Reference to other sections Refer to section 13 for disposal advice SECTION 7: HANDLING AND STO 7.1. Precautions for safe handling	RAGE					
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Scoop up and transfer to a suitable c 5.4. Reference to other sections Refer to section 13 for disposal advice SECTION 7: HANDLING AND STO 7.1. Precautions for safe handling Avoid skin contact. Utilize exposure of mmediately. Wash clothing before re- discarded. Avoid creating and breath 7.2. Conditions for safe storage, in Store in a cool, dry area. 7.3. Specific end use(s) No special precautions. SECTION 8: EXPOSURE CONTRO 8.1. Control parameters Decupational exposure limit value Ingredients Epoxy resin (number average molecular weight <= 700) Epoxy resin (number average molecular weight <= 700) Benzyl alcohol Aluminum oxide Silicon carbide	RAGE controls and pers euse. Contaminat ing dust during ro icluding any inc LS/PERSONAL s OSHA ppm N/A N/A N/A (total) (resp.) (total)	PROTECTION PROTECTION PROTECTION PEL ¹ mg/m ³ N/A N/A N/A N/A 15 5 15	ding shoes cann grinding, sawing ACGIF ppm N/A N/A N/A (resp.) (inhal.)	or sanding.	AUSTRA Ppm N/A N/A N/A N/A	ALIA ES ³ mg/m ³ N/A N/A N/A
 6.4. Reference to other sections Refer to section 13 for disposal advice SECTION 7: HANDLING AND STO 7.1. Precautions for safe handling Avoid skin contact. Utilize exposure of mmediately. Wash clothing before rediscarded. Avoid creating and breath 7.2. Conditions for safe storage, in Store in a cool, dry area. 7.3. Specific end use(s) No special precautions. SECTION 8: EXPOSURE CONTRO 8.1. Control parameters Occupational exposure limit value ingredients Epoxy resin (number average molecular weight <= 700) Epoxy resin (number average molecular weight <= 700) Benzyl alcohol Auminum oxide	RAGE controls and pers euse. Contaminat ing dust during ro icluding any inc LS/PERSONAL s OSHA ppm N/A N/A N/A (total) (resp.)	PROTECTION PROTECTION PROTECTION PEL ¹ mg/m ³ N/A N/A N/A N/A 15 5	ACGIF ppm N/A N/A N/A (resp.)	or sanding.	AUSTRA Ppm N/A N/A N/A N/A N/A	ALIA ES ³ mg/m ³ N/A N/A N/A 10

Biological limit values

No biological exposure limits noted for the ingredient(s).

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8.2. Exposure controls				
8.2.1. Engineering measures				
No special requirements. If it is extraction or damp down.	s necessary to alter the final cured	l product such that dust may be gene	erated, use adequate dust	
8.2.2. Individual protection measures				
Respiratory protection:	tion: Not normally needed. If exposure limits are exceeded, use a half or full-face respirator with combined dust/organic vapour filter (e.g., EN filter type A-P2).			
Protective gloves:	Chemical resistant gloves (e.g., neoprene)			
Eye and face protection:	Safety goggles.			
Other:	Impervious clothing as necessary to prevent skin contact.			
8.2.3. Environmental exposu	re controls			
Refer to sections 6 and 12.				
SECTION 9: PHYSICAL AND	CHEMICAL PROPERTIES			
	ysical and chemical properties			
Physical state	gritty paste	рН	not applicable	
Colour	blue or red	Kinematic viscosity	189K cSt @ 25°C	
Odour Odour threshold	sweet not determined	Solubility in water Partition coefficient	insoluble not applicable	
	not dotornimou	n-octanol/water (log value)		
Boiling point or range	not determined	Vapour pressure @ 20°C	not determined	
Melting point/freezing point % Volatile (by volume)	not applicable none	Density and/or relative density Weight per volume	2.38 kg/l 19.8 lbs/gal.	
Flammability	not determined	Vapour density (air=1)	> 1	
Lower/upper flammability or	not applicable	Rate of evaporation (ether=1)	< 1	
explosion limits Flash point	> 102°C (> 216°F)	% Aromatics by weight	none	
Method	PM Closed Cup	Particle characteristics	not applicable	
Autoignition temperature	not determined	Explosive properties	not applicable	
Decomposition temperature	not determined	Oxidising properties	not applicable	
9.2. Other information				
None				
SECTION 10: STABILITY AN				
10.1. Reactivity	_			
Refer to sections 10.3 and 10.	5.			
10.2. Chemical stability				
Stable				
10.3. Possibility of hazardou				
No dangerous reactions know	n under conditions of normal use.			
10.4. Conditions to avoid				
None				
10.5. Incompatible materials				
Strong mineral acids and bases and strong oxidizers like liquid Chlorine and concentrated Oxygen.				
10.6. Hazardous decomposit	ion products			
Carbon monoxide, carbon dioxide, benzaldehyde.				
SECTION 11: TOXICOLOGIC				
11.1. Information on toxicolo	-			
Primary route of exposure under normal use: Acute toxicity -	Inhalation, skin and eye conta allergies may be aggravated b	ct. Personnel with pre-existing skin a y exposure.	nd eye disorders and skin	

Oral:	Based on available data on components, tl mg/kg.	he classification criteria ar	e not met. ATE-mix: 70,69		
	Substance	Test	Result		
	Epoxy resin	LD50, oral, rat	> 5,000 mg/kg		
	Benzyl alcohol	LD50, oral, rat	1,230 mg/kg		
	Aluminum oxide	LD50, rat	> 5,000 mg/kg		
	Silicon carbide	NOAEL, rat	2,000 mg/kg		
Dermal:	Based on available data on components, the classification criteria are not met.				
	Substance	Test	Result		
	Epoxy resin	LD50, dermal, rabbit	> 2,000 mg/kg		
	Benzyl alcohol	LD50, dermal, rabbit	2,000 mg/kg		
Inhalation:	Based on available data on components, th mg/l (vapour).				
	Substance	Test	Result		
	Epoxy resin (CAS no. 1675-54-3)	LC0, rat, 5-8 hours	No mortality at vapor saturation level		
	Benzyl alcohol	LC50, rat, 4 hours	8.8 mg/l (vapour)		
	Benzyl alcohol	LC50, rat, 4 hours	> 4.178 mg/l (mist)		
Skin corrosion/irritation:	Causes skin irritation.				
	Substance	Test	Result		
	Epoxy resin (number average molecular weight <= 700)	Skin irritation, rabbit	Moderate irritation		
Serious eye damage/ irritation:	Causes serious eye irritation.				
	Substance	Test	Result		
	Epoxy resin (CAS no. 1675-54-3)	Eye irritation, rabbit	Moderate irritation		
	Epoxy resin (CAS no. 9003-36-5)	Eye irritation, rabbit	Not irritating		
Respiratory or skin sensitisation:	May cause an allergic skin reaction.				
sensitisation.	Substance	Test	Result		
	Epoxy resin (number average molecular weight <= 700)	Skin sensitization, guinea pig	Sensitizing		
Germ cell mutagenicity:	Epoxy resin (number average molecular weight <= 700), Benzyl alcohol, Aluminum oxide, Si carbide: based on available data, the classification criteria are not met.				
Carcinogenicity:	Epoxy resin (number average molecular weight <= 700): based on available data, the classification criteria are not met. The International Agency for Research on Cancer (IARC) h designated inhaled titanium dioxide as possibly carcinogenic to humans (group 2B).				
Reproductive toxicity:	Epoxy resin (number average molecular w Titanium dioxide: based on available data,				
STOT – single exposure:	Epoxy resin (number average molecular w carbide, Titanium dioxide: based on availa				

STOT - repeated exposure:

Epoxy resin (number average molecular weight <= 700), Benzyl alcohol, Aluminum oxide, Silicon carbide, Titanium dioxide: based on available data, the classification criteria are not met.

Substance	Test	Result
Epoxy resin (CAS no. 9003-36-5)	Sub-chronic NOAEL, oral, 90 days, rat, male / female (OECD 408)	250 mg/kg bw/day
Epoxy resin (CAS no. 1675-54-3)	Sub-chronic NOAEL, oral, 90 days, rat, male / female (OECD 408)	50 mg/kg bw/day
Epoxy resin (CAS no. 1675-54-3)	Sub-chronic NOAEL, dermal, 90 days, rat, male / female (OECD 411)	10 mg/kg bw/day
Epoxy resin (CAS no. 1675-54-3)	Sub-chronic NOAEL, dermal, 90 days, mouse, male (OECD 411)	100 mg/kg bw/day

Aspiration hazard:

Based on available data, the classification criteria are not met.

Other information:

None known

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Epoxy resin (number average molecular weight <= 700): moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/l in the most sensitive species.); chronic NOEC, 21 days, Daphnia magna (OECD 211) = 0.3 mg/l.

12.2. Persistence and degradability

Epoxy resin: not readily biodegradable. Benzyl alcohol: expected to biodegrade relatively quickly. Aluminum oxide, Silicon carbide, Titanium dioxide: inorganic substances.

12.3. Bioaccumulative potential

Epoxy resin: bioconcentration factor = 31 - 150 (QSAR), Octanol/water partition coefficient (log Kow) = 2.64 - 3.78, low potential for bioaccumulation. Benzyl alcohol: low potential for bioaccumulation (BCF < 100).

12.4. Mobility in soil

Paste. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Epoxy resin: if product enters soil, it will be mobile and may contaminate groundwater (log Koc \leq 3.65).

12.5. Endocrine disrupting properties

None known

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Combine resin and curative. The final cured material is considered nonhazardous. Landfill sealed containers with a properly licensed facility. May be incinerated at an appropriate facility. Unreacted components are a special waste. Check local, state and national/federal regulations and comply with the most stringent requirement.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number	
ADG/ADR/RID/ADN/IMDG/ICAO:	NOT APPLICABLE
TDG:	NOT APPLICABLE
US DOT:	NOT APPLICABLE
14.2. UN proper shipping name	
ADG/ADR/RID/ADN/IMDG/ICAO:	NON-HAZARDOUS, NON REGULATED
TDG:	NON-HAZARDOUS, NON REGULATED
US DOT:	NON-HAZARDOUS, NON REGULATED
14.3. Transport hazard class(es)	
ADG/ADR/RID/ADN/IMDG/ICAO:	NOT APPLICABLE
TDG:	NOT APPLICABLE

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US DOT: 14.4. Packing grou	
14.4. Packing group	NOT APPLICABLE
. T.T. I Soming group	p
ADG/ADR/RI	ID/ADN/IMDG/ICAO: NOT APPLICABLE
TDG:	NOT APPLICABLE
US DOT:	NOT APPLICABLE
14.5. Environmenta	
NOT APPLICAI	
14.6. Special preca	
NOT APPLICA	
14.7. Waritime trans	sport in bulk according to IMO instruments
14.8. Other informa	
NOT APPLICA	
15.1. Safety, health	and environmental regulations/legislation specific for the substance or mixture
15.1.1. National reg	julations
US EPA SARA TITL	.E III
312 Hazards:	Chemicals subject to reporting requirements of Section 313 of
512 Hazarus.	EPCRA and of 40 CFR 372:
Skin irritation	None
Skin sensitization	None
Eye irritation	
	components are listed or exempted.
Other national regu	ulations: None
SECTION 16: OTHE	ER INFORMATION
	ADG: Australian Dangerous Goods Code
	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterway
	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
	ATE: Acute Toxicity Estimate
	BCF: Bioconcentration Factor
	cATpE: Converted Acute Toxicity point Estimate ES: Exposure Standard
	GHS: Globally Harmonized System
	ICAO: International Civil Aviation Organization
	ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration to 50 % of a test population
	ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods
	ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration to 50 % of a test population LD50: Lethal Dose to 50% of a test population LOEL: Lowest Observed Effect Level N/A: Not Applicable
	ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration to 50 % of a test population LD50: Lethal Dose to 50% of a test population LOEL: Lowest Observed Effect Level N/A: Not Applicable NA: Not Available
	ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration to 50 % of a test population LD50: Lethal Dose to 50% of a test population LOEL: Lowest Observed Effect Level N/A: Not Applicable NA: Not Available NOEC: No Observed Effect Concentration
	ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration to 50 % of a test population LD50: Lethal Dose to 50% of a test population LOEL: Lowest Observed Effect Level N/A: Not Applicable NA: Not Available NOEC: No Observed Effect Concentration NOEL: No Observed Effect Level
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Key literature references and sources for data: Procedure used to derive th	Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST) Chemical Classification and Information Database (CCID) European Chemicals Agency (ECHA) - Information on Chemicals Hazardous Chemical Information System (HCIS) National Institute of Technology and Evaluation (NITE) U.S. National Library of Medicine Toxicology Data Network (TOXNET) the classification for mixtures according to GHS:	
Classification		Classification procedure
Skin Irrit. 2, H315		Calculation method
Skin Sens. 1, H317		Bridging principle "Dilution"
Eye Irrit. 2, H319		Calculation method
Aquatic Chronic 3, H412		Calculation method
Relevant H-statements:	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects.	
Hazard pictogram names:	Exclamation	n mark
Further information: No	lone	
Date of last revision: 3	March 2025	
Changes to the SDS in this	revision: (Complete change to represent new formulation.
This information is based solely or regarding the suitability of the pro-	on data provided oduct for the use	by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied r's particular purpose. The user must make their own determination as to suitability.