

SAFETY DATA SHEET in accordance with 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia
Revision date: 1 December 2022 Date of previous issue: 9 November 2017 SDS No. 232A-16
SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1. Product identifier
ARC 797 (Part A)
1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: ARC Polymer Composite. Repairs damage caused by impact, abrasion or erosion.
Uses advised against: No data available
Reason why uses advised against: Not applicable
1.3. Details of the supplier of the safety data sheet
Company: Supplier:   A.W. CHESTERTON COMPANY 860 Salem Street   Groveland, MA 01834-1507, USA 71   Tel. +1 978-469-6446 Fax: +1 978-469-6785
(Mon Fri. 8:30 - 5:00 PM EST) SDS requests: www.chesterton.com
E-mail (SDS questions): <u>ProductSDSs@chesterton.com</u> E-mail: <u>customer.service@chesterton.com</u>
Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive, Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055
1.4. Emergency telephone number
24 hours per day, 7 days per week Call Infotrac: 1-800-535-5053 Outside N. America: +1 352-323-3500 (collect) NSW Poisons Information Centre (Australia): 13 11 26
SECTION 2: HAZARDS IDENTIFICATION
2.1. Classification of the substance or mixture
2.1.1. Classification according to 29 CFR 1910.1200 / WHMIS 2015 / GHS
Skin irritation, Category 2, H315 Eye irritation, Category 2, H319 Skin sensitization, Category 1, H317 Germ cell mutagenicity, Category 2, H341 Hazardous to the aquatic environment, Chronic, Category 2, H411
2.1.2. Australian statement of hazardous nature
Hazardous according to criteria of Safe Work Australia.
2.1.3. Additional information
For full text of H-statements: see SECTIONS 2.2 and 16.
2.2. Label elements
Labeling according to 29 CFR 1910.1200 / WHMIS 2015 / GHS
Hazard pictograms:
Signal word: Warning

	1 2022				<b>3D3 NO.</b> 232A-10	
Hazard stateme		H315 H319 H317 H341 H411	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing genetic defects. Toxic to aquatic life with long lasting effects.			
Precautionary s	tatements:	P201 P202 P261 P264 P272 P273 P280 P302/352 P305/351/338	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist/spray. Wash skin 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. 3 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
		P308/313 P362/364 P391 P405 P501	IF exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage. Store locked up. Dispose of contents/container to an approved waste disposal plant.			
Supplemental in	formation:	None				
2.3. Other hazar	ds					
The safety and h	ealth hazards	s are detailed se	parately by part. L	Jpon machining,	it can only be categorized as a nuisance dust.	
SECTION 3: CC	MPOSITION	/INFORMATION	ON INGREDIEN	тѕ		
3.2. Mixtures						
Hazardous Ingre	edients <sup>1</sup>		% Wt.	CAS No.	GHS Classification	
Epoxy resin (nun <= 700)	-	molecular weigh	t 70 - 80	1675-54-3 *	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	
2,3-Epoxypropyl	o-tolyl ether		15 - 25	2210-79-9	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Muta. 2, H341 Aquatic Chronic 2, H411	
* Alternative CAS For full text of H- <sup>1</sup> Classified accordi	statements: s	see SECTIONS 2		Right-to-Know Lav	v (ch. 40, M.G.LO. 111F), WHMIS 2015, Safe Work	
	Austral	ia, GHS		0		
SECTION 4: FIF						
4.1. Description					tion Contact abusician	
				•	tion. Contact physician.	
	irritation pers	sists.			. Wash clothing before reuse. Contact physician	
-	•		•		Contact physician if irritation persists.	
-		•	act physician imm	-		
Protection of fir	st-aiders:		e providing aid to		k or without suitable training. Avoid contact with ection 8.2.2 for recommendations on personal	
4.2. Most import	ant sympto	ms and effects,	both acute and o	delayed		
Moderate eye an and respiratory tr		. May cause skin	sensitization (po	ssible rash, hives	s). Inhalation may cause irritation to nose, throat	

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4.3. Indication of any immediate m	edical attentio	on and special tr	eatment need	ed		
Treat symptoms.						
SECTION 5: FIRE-FIGHTING MEAS	SURES					
5.1. Extinguishing media						
Suitable extinguishing media:	Carbon dioxide	, dry chemical, fo	am or water fog	g		
Unsuitable extinguishing media:	None known					
5.2. Special hazards arising from t	he substance	or mixture				
Hazardous combustion products:	Thermal dec other toxic f	composition may umes.	produce Carbo	n Monoxide, Car	bon Dioxide, al	dehydes and
Other hazards: None known						
5.3. Advice for firefighters						
Cool exposed containers with water.	Recommend F	Firefighters wear	self-contained b	preathing apparat	tus.	
Australian HAZCHEM Emergency	Action Code:	2 Z				
SECTION 6: ACCIDENTAL RELEA	SE MEASURE	S				
6.1. Personal precautions, protecti	ve equipment	and emergency	procedures			
Avoid all direct contact. Utilize expos	ure controls an	nd personal protec	ction as specifie	ed in Section 8.		
6.2. Environmental Precautions						
Keep out of sewers, streams and wa	erways.					
6.3. Methods and material for cont	ainment and o	cleaning up				
Contain spill to a small area. Scoop ι	p and transfer	to a suitable con	tainer for dispo	sal.		
6.4. Reference to other sections						
Refer to section 13 for disposal advic	e.					
SECTION 7: HANDLING AND STO	RAGE					
7.1. Precautions for safe handling	-					
Avoid all direct contact. Avoid breath Wash thoroughly after handling. Rem shoes cannot be decontaminated and	iove contamina	ated clothing. Wa				
7.2. Conditions for safe storage, in	cluding any i	ncompatibilities				
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	S					
Ingredients			ACGI	H TLV <sup>2</sup>	AUSTR	ALIA ES <sup>3</sup>
C	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Epoxy resin (number average	N/A	N/A	N/A	N/A	N/A	N/A
molecular weight <= 700) 2,3-Epoxypropyl o-tolyl ether	N/A	N/A	N/A	N/A	N/A	N/A
	IN/A	IN/A	11/7	N/A	11/2	IN/75
<sup>1</sup> United States Occupational Health	& Safety Admir	nistration permiss	ible exposure li	imits		
<sup>2</sup> American Conference of Governme	ntal Industrial	Hygienists thresh	old limit values			
<sup>2</sup> American Conference of Governme <sup>3</sup> Safe Work Australia, Workplace Ex						

## **Biological limit values**

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

Protective gloves:CheEye and face protection:SafeOther:Impe8.2.3. Environmental exposure of	sures ing spraying, wear suitable resp mical resistant gloves (e.g., nitr ety goggles. ervious clothing as necessary to	ile rubber, butyl rubber, neoprene,	PVC)		
If airborne mists are generated, pr 8.2.2. Individual protection measures Respiratory protection: Duri Protective gloves: Che Eye and face protection: Safe Other: Impe 8.2.3. Environmental exposure of	sures ing spraying, wear suitable resp mical resistant gloves (e.g., nitr ety goggles. ervious clothing as necessary to	ile rubber, butyl rubber, neoprene,	PVC)		
8.2.2. Individual protectionRespiratory protection:DuriProtective gloves:CheEye and face protection:SafeOther:Impe8.2.3. Environmental exposure	sures ing spraying, wear suitable resp mical resistant gloves (e.g., nitr ety goggles. ervious clothing as necessary to	ile rubber, butyl rubber, neoprene,	PVC)		
Respiratory protection:DuriProtective gloves:CheEye and face protection:SafeOther:Impe8.2.3. Environmental exposure	ing spraying, wear suitable resp mical resistant gloves (e.g., nitr ety goggles. ervious clothing as necessary to	ile rubber, butyl rubber, neoprene,	PVC)		
Respiratory protection:DuriProtective gloves:CheEye and face protection:SafeOther:Impe8.2.3. Environmental exposure	ing spraying, wear suitable resp mical resistant gloves (e.g., nitr ety goggles. ervious clothing as necessary to	ile rubber, butyl rubber, neoprene,	PVC)		
Protective gloves:CheEye and face protection:SafeOther:Impe8.2.3. Environmental exposure of	emical resistant gloves (e.g., nitr ety goggles. ervious clothing as necessary to	ile rubber, butyl rubber, neoprene,	PVC)		
Eye and face protection:SafeOther:Impe8.2.3. Environmental exposure of	ety goggles. ervious clothing as necessary to				
Other: Impe 8.2.3. Environmental exposure of	ervious clothing as necessary to	prevent skin contact.			
8.2.3. Environmental exposure of	• •		Impervious clothing as necessary to prevent skin contact.		
•		•			
Refer to sections 6 and 12.					
SECTION 9: PHYSICAL AND CH					
9.1. Information on basic physic					
Physical state v Colour c	<i>v</i> iscous liquid clear sweet odor	pH Kinematic viscosity Solubility in water	not applicable 439-965 cSt @ 25°C insoluble		
	not determined	Partition coefficient n-octanol/water (log value)	not applicable		
- <b>- - - - - - - - - -</b>	not determined not determined	Vapour pressure @ 20°C Density and/or relative density	not determined		
	)%	Weight per volume	1.14 kg/l 9.5 lbs/gal.		
Flammability r	no data available	Vapour density (air=1)	> 1		
Lower/upper flammability or r explosion limits	not applicable	Rate of evaporation (ether=1)	< 1		
	100°C (213°F)	% Aromatics by weight	0%		
Method F	PM Closed Cup	Particle characteristics	not applicable		
	not applicable not determined	Explosive properties Oxidising properties	not determined not determined		
9.2. Other information	lot determined	Oxidiality properties	not determined		
None					
SECTION 10: STABILITY AND F	REACTIVITY				
10.1. Reactivity					
Refer to sections 10.3 and 10.5.					
10.2. Chemical stability					
Stable					
10.3. Possibility of hazardous re					
No dangerous reactions known ur	nder conditions of normal use.				
10.4. Conditions to avoid					
None					
10.5. Incompatible materials					
Strong acids/bases and strong oxi	-	concentrated Oxygen.			
10.6. Hazardous decomposition	-				
Carbon Monoxide, Carbon Dioxide	e, aldehydes and other toxic fur	nes.			
SECTION 11: TOXICOLOGICAL					
11.1. Information on toxicologic	al effects				
	nhalation, skin and eye contact. aggravated by exposure.	Personnel with pre-existing skin or	r lung allergies may be		

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	result in mouth, throat and gastrointestinal	initation, nausea, voiniting a	nd diarrhea.		
	Substance	Test	Result		
	Epoxy resin (number average molecular weight <= 700)	LD50, rat	11,400 mg/kg		
	2,3-Epoxypropyl o-tolyl ether	LD50, rat	5,800 mg/kg		
Dermal:					
	Substance	Test	Result		
	Epoxy resin (number average molecular weight <= 700)	LD50, rabbit	> 2,000 mg/kg		
	2,3-Epoxypropyl o-tolyl ether	LD50, rabbit (OECD 402)	> 2,000 mg/kg		
Inhalation:	Inhalation may cause irritation to nose, throat and respiratory tract.				
	Substance	Test	Result		
	Epoxy resin (number average molecular weight <= 700)	LC50, rat, 5-8 h	No mortality at vapo saturation level		
	2,3-Epoxypropyl o-tolyl ether	LC50 inhalation, rat, 4 h,	1,220 ppm		
Skin corrosion/irritation:	Causes skin irritation.				
	Substance	Test	Result		
	Epoxy resin (number average molecular weight <= 700)	Skin irritation, rabbit	Moderate irritation		
	2,3-Epoxypropyl o-tolyl ether	Skin irritation, human experience	Severe irritation		
Serious eye damage/ rritation:	Causes serious eye irritation.				
	Substance	Test	Result		
	Epoxy resin (number average molecular weight <= 700)	Eye irritation, rabbit	Mild irritation / Moderate irritation		
Respiratory or skin sensitisation:	May cause skin sensitization as evidenced	by rashes or hives.			
	Substance	Test	Result		
	Epoxy resin (number average molecular weight <= 700)	Skin sensitization, guinea pig	Sensitizing		
	2,3-Epoxypropyl o-tolyl ether	Skin sensitization, human experience	Sensitizing		
Germ cell mutagenicity:	2,3-Epoxypropyl o-tolyl ether is mutagenic (changes in genetic systems) in some laboratory te Epoxy resin (number average molecular weight <= 700): based on available data, the classification criteria are not met.				
Carcinogenicity:	This product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or the European Chemicals Agency (ECHA).				
Reproductive toxicity:	Epoxy resin (number average molecular we classification criteria are not met. Prolonge				
	Ether may cause reproductive disorders (b				
- · ·					
	Ether may cause reproductive disorders (b Not expected to cause toxicity.	irth defects/sterility), data lac	king.		
	Ether may cause reproductive disorders (b Not expected to cause toxicity. Substance	irth defects/sterility), data lac	king. Result		
	Ether may cause reproductive disorders (b Not expected to cause toxicity.	irth defects/sterility), data lac Test Sub-chronic NOAEL, oral, 90 days, rat, male /	king.		
STOT – single exposure: STOT – repeated exposure:	Ether may cause reproductive disorders (b Not expected to cause toxicity. Substance Epoxy resin (number average molecular	irth defects/sterility), data lac Test Sub-chronic NOAEL,	king. Result		

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Aspiration hazard: Not classi	ified as an aspiration toxicant.
Other information: None kno	
SECTION 12: ECOLOGICAL INFORMAT	ION
	mined specifically for this product. The information given below is based on a knowledge
12.1. Toxicity	
	esin (number average molecular weight <= 700) are toxic to aquatic organisms and may atic environment (LC50/EC50 between 1 and 10 mg/l in the most sensitive species).
12.2. Persistence and degradability	
Epoxy resin (number average molecular w components (Parts A and B), improperly re	eight <= 700), 2,3-Epoxypropyl o-tolyl ether: not readily biodegradable. Unreacted eleased to the environment, can cause ground and water pollution.
12.3. Bioaccumulative potential	
Epoxy resin (number average molecular w tolyl ether: log Kow = 2.5, low potential for	eight <= 700): log Kow = 2.64-3.8, low potential for bioaccumulation. 2,3-Epoxypropyl o- bioaccumulation.
12.4. Mobility in soil	
(see Section 9). Epoxy resin: if product ent	nining environmental mobility, consider the product's physical and chemical properties ters soil, it will be mobile and may contaminate groundwater.
12.5. Other adverse effects	
None known	
SECTION 13: DISPOSAL CONSIDERAT	IONS
13.1. Waste treatment methods	
	e. Combine resin and curative. The final cured material is considered nonhazardous. nd solidified liquids in an approved area. Check local, state and national/federal gent requirement.
SECTION 14: TRANSPORT INFORMATI	ON
14.1. UN number or ID number	
ADG/ADR/RID/ADN/IMDG/ICAO:	UN3082
TDG: US DOT:	UN3082 UN3082
14.2. UN proper shipping name	
ADG/ADR/RID/ADN/IMDG/ICAO:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
TDG:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
US DOT:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
14.3. Transport hazard class(es)	
ADG/ADR/RID/ADN/IMDG/ICAO:	
TDG:	9
US DOT: 14.4. Packing group	9
ADG/ADR/RID/ADN/IMDG/ICAO:	111
TDG:	
US DOT:	III
14.5. Environmental hazards MARINE POLLUTANT	
14.6. Special precautions for user NO SPECIAL PRECAUTIONS FOR US	ED
14.7. Maritime transport in bulk accordi	
NOT APPLICABLE	
14.8. Other information	
(49 CFR 171.4(c))	TRICTED in non-bulk packagings (119 gallons or less) by motor vehicle, rail car or aircraft.
IMDG: EmS. F-A, S-F May be shipped as NON-RESTF of 5 L or less. (IMDG CODE Ame	RICTED in single or combination packagings containing a net quantity per single or inner packaging endment 37-14, 2.10.2.7)
	ESTRICTED in single or combination packagings containing a net quantity per single or inner TA Dangerous Goods Regulation 56 <sup>th</sup> edition, 4.4 Special Provisions A197)

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May b of 5 L	fication code M6 Tunnel restriction code (E) e shipped as NON-RESTRICTED in single or combination packagings containing a net quantity per single or inner packaging or less. (ADR 2015 Volume 1, Chapter 3.3 Special Provisions 375) <b>HEM CODE:</b> •3Z <b>HIN:</b> 90
SECTION 15: RI	EGULATORY INFORMATION
15.1. Safety, hea	Ith and environmental regulations/legislation specific for the substance or mixture
15.1.1. National	regulations
US EPA SARA TI	
312 Hazards:	Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:
Skin irritation Eye irritation Skin sensitizatior Germ cell mutage	
TSCA: All chemic	al components are listed in the TSCA inventory.
Other national re	aulations: None
Abbreviations	ADG: Australian Dangerous Goods Code
and acronyms:	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways 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 ICAC: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration to 50% of a test population LD50: Lethal Concentration to 50% of a test population LD50: Lethal Concentration to 50% of a test population LD51: Lowest Observed Effect Level N/A: Not Applicable NA: Not Applicable NA: Not Available NOEC: No Observed Effect Concentration NOEL: No Observed Effect Concentration NOEL: No Observed Effect Level QECD: Organization for Economic Co-operation and Development (Q)SAR: Quantitative Structure-Activity Relationship REL: Recommended Exposure Limit RID: Regulations concerning the International Carriage of Dangerous Goods by Rail SD5: Safety Data Sheet STOT RE: Specific Target Organ Toxicity, Repeated Exposure STOT SE: Specific Target Organ Toxicity, Single Exposure STOT SE: Specifi
Key literature rea and sources for	

Classification	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Muta. 2, H341	Calculation method
Aquatic Chronic 2, H411	Calculation method
F	I341: Suspected of causing genetic defects. I411: Toxic to aquatic life with long lasting effects. Iealth hazard, exclamation mark, environment
Further information: None	
Date of last revision: 1 Dec	ember 2022
Changes to the SDS in this re-	vision: Sections 1.2, 1.3, 2.2, 3, 5.2, 7.1, 8.1, 8.2.1, 8.2.2, 9.1, 9.2, 11, 13, 15.1, 16.
	lata provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied ct for the user's particular purpose. The user must make their own determination as to suitability.