

### SAFETY DATA SHEET in accordance with REACH (1907/2006/EC, as amended by 453/2010/EC) and WHMIS 2015 **Revision date:** 26 April 2018 Initial date of issue: 11 March 2011 SDS No. 1021-8a SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING 1.1. Product identifier 329 1.2. Relevant identified uses of the substance or mixture and uses advised against A square braided, non-asbestos packing which is coated with a Polytetrafluoroethylene (PTFE) dispersion. For use with stern tubes, rudder posts, jordans, claflins, hydro-finers, shafts, rods and valves against hot or cold water and brine to 135°C (275°F). 1.3. Details of the supplier of the safety data sheet Supplier: Company: A.W. CHESTERTON COMPANY 860 Salem Street Groveland, MA 01834-1507, USA Tel.: +1 978-469-6446 Fax: +1 978-469-6785 (Mon. - Fri. 8:30 - 5:00 PM EST) E-mail (SDS questions): ProductMSDSs@chesterton.com E-mail: customer.service@chesterton.com SDS requests: www.chesterton.com Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive, Unit 105, Burlington, Ontario L7L 4X8 - Tel. 905-335-5055 EU: Chesterton International GmbH, Am Lenzenfleck 23, D85737 Ismaning, Germany - Tel. +49-89-996-5460 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) SECTION 2: HAZARDS IDENTIFICATION 2.1. Classification of the substance or mixture 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / WHMIS 2015 / GHS

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

# 2.1.2. Classification according to Directive 1999/45/EC

This product does not meet the criteria for classification in any danger category according to Directive 1999/45/EC on classification, packaging and labelling of dangerous preparations.

### 2.1.3. Classification according to WHMIS 1988

Not controlled

## 2.1.4. Australian classification

Not classified as hazardous according to criteria of Safe Work Australia.

#### 2.1.5. Additional information

This product is not classified as a "hazardous material" in normal use as defined in: 29 CFR 1910.1200, 1915, 1916, 1917, Massachusetts Right-To-Know Law, Chapter 40, Acts and Resolves of 1983 (M.G.L. O. 111F).

2.2. Label elements	
Labelling according to Reg	ulation (EC) No 1272/2008 [CLP] / WHMIS 2015 / GHS
Hazard pictograms:	N/A
Signal word:	None
Hazard statements:	None

			Produc	<b>t:</b> 329		
Date: 26 April 2	2018					SDS No. 1021-8a
Precautionary	statements:	None				
Supplemental i	nformation:	None				
2.3. Other haza	rds					
	products may be	emitted. Due to to			s. At temperatures above 260 king (wash hands to avoid tra	
SECTION 3: CO	OMPOSITION/II	NFORMATION ON	INGREDIENT	S		
3.2. Mixtures						
Hazardous Ingi	redients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	Classification (acc. to 1272/2008/EC)	Classification (67/548/EEC)
None			EC NO.	Rey. NO.	(acc. 10 1272/2000/EC)	(07/540/EEC)
Indications of da	anger acc. to 67/	548/EEC: None	•			
<sup>1</sup> Classified accord	* 1272/20 * WHMIS	08/EC, 67/548/EEC,	99/45/EC, REAC		aw (ch. 40, M.G.LO. 111F), Ca	lifornia Proposition 65
SECTION 4: FI						
4.1. Description	n of first aid me	asures				
Inhalation:	Contact physic	cian.	mes, remove to	o fresh air. If no	t breathing, administer artific	ial respiration.
Skin contact:	Not applicable					
Eye contact:	Not applicable					
Ingestion:	Not applicable					
-		s and effects, bot		-		
260°C (500°F), (	due to PTFE de	composition. Inhala	ation of these d	ecomposition p	ses may be produced at tem products may cause temporar	
	-	te medical attent	ion and specia	al treatment ne	eded	
Treat symptoms						
SECTION 5: FI		MEASURES				
5.1. Extinguish	•					
-		the surrounding fir				
-	-	om the substance				
		ere of > 95% oxyge	en, when an ign	nition source is	present.	
5.3. Advice for	-				in a bana alama da ana 191	
	-	elf-contained breat	thing apparatus	s to protect aga	inst hazardous decompositio	n products.
Flammability C		-				
HAZCHEM Eme	ergency Action	<b>Code:</b> 1 <b>Z</b>				
		ELEASE MEASUR				
-		tective equipmer	-		es	
	-	rsonal protection a	is specified in S	Section 8.		
6.2. Environme	ntal Precautior	IS				
No special requi	irements.					
6.3. Methods a	nd material for	containment and	cleaning up			
No special steps	s required. Nonto	oxic.				

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6.4. Reference to other sect	ions			
Refer to section 13 for dispos	al advice.			
SECTION 7: HANDLING AN	ID STORAGE			
7.1. Precautions for safe ha	ndling			
Do not smoke when handling	PTFE products; wash hands at	ter handling to avoid transfer	to tobacco products	5.
7.2. Conditions for safe stor	rage, including any incompat	ibilities		
Store in a cool, dry area.				
7.3. Specific end use(s)				
No special precautions.				
SECTION 8: EXPOSURE CO	ONTROLS/PERSONAL PROTI	ECTION		
8.1. Control parameters				
Occupational exposure limi	t values			
Ingredients	OSHA PEL ppm mg/m <sup>3</sup>	ACGIH TLV ppm mg/m <sup>3</sup> ppi	UK WEL <sup>2</sup> n mg/m <sup>3</sup>	AUSTRALIA ES <sup>3</sup> ppm mg/m <sup>3</sup>
None				
<sup>2</sup> EH40 Workplace exposure I <sup>3</sup> Adopted National Exposure	imits, as amended. Standards for Atmospheric Cor	taminants in the Occupation	al Environment [NOI	HSC:1003].
8.2. Exposure controls				
8.2.1. Engineering measure	S			
No special requirements. If us	sing under extreme heat, use lo	cal exhaust.		
8.2.2. Individual protection	-			
-	Not required.			
	Not normally needed.			
•	Not normally needed.			
-	None			
8.2.3. Environmental expos				
Refer to sections 6 and 12.				
SECTION 9: PHYSICAL AN	D CHEMICAL PROPERTIES	00		
Physical state	solid	Odour	odorless	
Colour	brown	Odour threshold	not applic	able
Initial boiling point	not applicable	Vapour pressure @ 20°		
Melting point	not applicable	% Aromatics by weight		
% Volatile (by volume)	not applicable	pH Deletive density	not applic	
Flash point Method	not applicable none	Relative density Weight per volume	not applic not applic	
Viscosity	not applicable	Coefficient (water/oil)	not applic	
Autoignition temperature	not applicable	Vapour density (air=1)	not applic	
Decomposition temperature Upper/lower flammability or		Rate of evaporation (et Solubility in water	her=1) not applic Insoluble	Cadie
explosive limits	not applicable	Solubility III Water	moorable	
Flammability (solid, gas)	not determined	Oxidising properties	not applic	cable
Explosive properties	not applicable			
9.2. Other information				
None				

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SECTION 10: STABI	LITY AND REACTIVITY
10.1. Reactivity	
Refer to sections 10.3	and 10.5.
10.2. Chemical stabil	ity
Stable	
10.3. Possibility of ha	azardous reactions
-	is known under conditions of normal use.
10.4. Conditions to a	
Extreme heat above 20	
10.5. Incompatible m	
-	nlorine Trifluoride and related compounds and molten alkali metals.
10.6. Hazardous deco	
evolved above 260°C	bon Dioxide, trace amounts of Hydrogen fluoride, Perfluorocarbon olefins, and other toxic fumes may be (500°F).
11.1. Information on	-
Primary route of expe under normal use:	osure Inhalation (PTFE decomposition fumes) and skin contact.
Acute effects:	PTFE is nontoxic at ambient temperatures. However, small quantities of toxic gases may be produced at temperatures above 260°C (500°F), due to PTFE decomposition. Inhalation of these decomposition products may cause temporary flu-like symptoms.
Chronic effects:	None
Carcinogenicity:	As per 29 CFR 1910.1200 (Hazard Communication), 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 Regulation (EC) No 1272/2008.
Aspiration hazard:	Not applicable
Other information:	None
SECTION 12: ECOLO	DGICAL INFORMATION
Ecotoxicological data h	nave 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	
Not expected to be ha	rmful to aquatic organisms.
12.2. Persistence and	d degradability
PTFE: nonbiodegradal	ble.
12.3. Bioaccumulativ	e potential
Not determined	
12.4. Mobility in soil	
Solid. Insoluble in wate Section 9).	er. In determining environmental mobility, consider the product's physical and chemical properties (see
12.5. Results of PBT	and vPvB assessment
Not available	
12.6. Other adverse e	ffects
None known	
SECTION 13: DISPO	SAL CONSIDERATIONS
13.1. Waste treatmen	
	a regulated waste (not classified as hazardous according to 2008/98/EC). Check local, state and tions and comply with the most stringent requirement.
	ates asde. Not determined

European List of Wastes code: Not determined

	ATION			
14.1. UN number				
ADR/RID/ADN/IMDG/ICAO:	NOT APPLICABLE			
TDG:	NOT APPLICABLE			
US DOT:	NOT APPLICABLE			
14.2. UN proper shipping name				
ADR/RID/ADN/IMDG/ICAO:	NON-HAZARDOUS, NO			
TDG:	NON-HAZARDOUS, NO			
US DOT:	NON-HAZARDOUS, NO	ON REGULATED		
14.3. Transport hazard class(es)				
ADR/RID/ADN/IMDG/ICAO:	NOT APPLICABLE			
TDG:	NOT APPLICABLE			
US DOT:	NOT APPLICABLE			
14.4. Packing group				
ADR/RID/ADN/IMDG/ICAO:	NOT APPLICABLE			
TDG:	NOT APPLICABLE			
US DOT:	NOT APPLICABLE			
14.5. Environmental hazards				
NOT APPLICABLE				
14.6. Special precautions for user				
NOT APPLICABLE				
14.7. Transport in bulk according to	Annex II of MARPOL73	/78 and the IBC Code		
NOT APPLICABLE				
14.8. Other information				
NOT APPLICABLE				
SECTION 15: REGULATORY INFOR	-			
15.1. Safety, health and environmen	tal regulations/legislati	on specific for the substa	nce or mixture	
15.1.1. EU regulations				
Authorisations under Title VII: Not	applicable			
Restrictions under Title VIII: None				
Other EU regulations: None				
15.1.2. National regulations				
US EPA SARA TITLE III		Hazardous Materia	Is Identification System	m (HMIS)
312 Hazards: 313 Chemicals:		4 = Severe Hazard	HEALTH	
None None		3 = Serious Hazard 2 = Moderate Hazard	FLAMMABILITY	0
		1 = Slight Hazard	REACTIVITY	1
None None		0 = Minimal Hazard		
None None		* = See Section 8	Personal Protection	*

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Abbreviations	ACGIH: American Conference of Governmental Industrial Hydrenists
and acronyms:	ACGIH: American Conference of Governmental Industrial Hygienists 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 CLP: Classification Labelling Packaging Regulation (1272/2008/EC) ES: Exposure Standard GHS: Globally Harmonized System 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 LD50: Lethal Dose to 50% of a test population LOEL: Lowest Observed Effect Level N/A: Not Applicable NA: Not Applicable NOAEL: No Observed Adverse Effect Level NOEL: No Observed Effect Level NEX Adverse Effect Level STEL: Short Term Exposure Limit STOT: Specific Target Organ Toxicity TDG: Transportation of Dangerous Goods (Canada) TLV: Threshold Limit Value
	US DOT: United States Department of Transportation vPvB: very Persistent and very Bioaccumulative substance WEL: Workplace Exposure Limit
	vPvB: very Persistent and very Bioaccumulative substance WEL: Workplace Exposure Limit WHMIS: Workplace Hazardous Materials Information System
Key literature ref and sources for	vPvB: very Persistent and very Bioaccumulative substance WEL: Workplace Exposure Limit WHMIS: Workplace Hazardous Materials Information System Other abbreviations and acronyms can be looked up at www.wikipedia.org. erences Commission de la santé et de la sécurité du travail (CSST)
and sources for Procedure used	vPvB: very Persistent and very Bioaccumulative substance WEL: Workplace Exposure Limit WHMIS: Workplace Hazardous Materials Information System Other abbreviations and acronyms can be looked up at www.wikipedia.org. erences Commission de la santé et de la sécurité du travail (CSST) data: European chemical Substances Information System (ESIS) European Chemicals Agency (ECHA) - Information on Chemicals Hazardous Substances Data Bank (HSDB) Hazardous Substances Information System (HSIS)
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regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.