

		SAFETY DATA S	HEET			
	in accordance w	ith 29 CFR 1910.1200, WHM	S 2022 and Safe Work A	ustralia		
Revision date:	20 November 2024	Date of previous issue:	17 December 2018	SDS No.	374B-12a	
SECTION 1: IDENT	IFICATION OF THE S	UBSTANCE/MIXTURE AND	OF THE COMPANY/UN	DERTAKING		
1.1. Product identif	ier					
ARC CS2 (Part B)						
1.2. Relevant identi	fied uses of the subs	tance or mixture and uses	advised against			
Relevant identified	uses: For use as are anticipa	a coating on properly prepare ated.	ed surfaces where mild ch	emical and abr	asion exposures	
Uses advised again	ist: No informa	tion available				
Reason why uses a	dvised against:	lot applicable				
1.3. Details of the s	upplier of the safety	data sheet				
Company: A.W. CHESTERTON 860 Salem Street Groveland, MA 0183 Tel. +1 978-469-644 (Mon Fri. 8:30 - 5:0 SDS requests: www. E-mail (SDS question E-mail: customer.ser	I COMPANY 4-1507, USA I6 00 PM EST) <u>chesterton.com</u> ns): <u>ProductSDSs@ch</u> vice@chesterton.com	Supplie nesterton.com	ır:			
Canada: A.W. Chest Unit 105, Burlington,	erton Company Ltd., 8 Ontario L7L 4X8 – Te	89 Fraser Drive, I. 905-335-5055				
1.4. Emergency tele	phone number					
24 hours per day, 7 d Call Infotrac: 1-800- Outside N. America: NSW Poisons Inform	days per week 535-5053 +1 352-323-3500 (co nation Centre (Australia	llect) a): 13 11 26				
SECTION 2: HAZA	RDS IDENTIFICATIO	N				
2.1. Classification of	of the substance or m	nixture				
2.1.1. Classification	according to 29 CFI	R 1910.1200 / WHMIS 2022 /	Safe Work Australia / G	HS		
Acute toxicity, Categ Acute toxicity, Categ Skin irritation, Categ Serious eye damage Skin sensitization, Categ Skin sensitization, Catego Reproductive toxicity Reproductive toxicity Specific target organ Hazardous to the aqu	ory 4, H302 ory 3, H331 (mist) ory 2, H315 c, Category 1, H318 ategory 1, H317 r, Category 1B, H360F r, Category 2, H361d toxicity – repeated ex uatic environment, Ch	posure, Category 2, H373 (or ronic, Category 1, H410	al)			
2.1.2. Additional inf	ormation					
For full text of H-state	For full text of H-statements: see SECTIONS 2.2 and 16.					
2.2. Label elements	i					
Labeling according	to 29 CFR 1910.1200) / WHMIS 2022 / Safe Work	Australia / GHS			
Hazard pictograms			>			
Signal word:	Danger	• • •				

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SDS	No.	374B-12a

Hazard statements:	H302 H315 H318 H317 H331 H360F H361d H373 H410	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Toxic if inhaled. May damage fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure if swallowed. Very toxic to aquatic life with long lasting effects.
Precautionary statements:	P201 P202 260 P264 P270 P271 P272 P273 P280 P302/352 P304/340 P305/351/338 P310 P308/313 P363 P391 P405 P501	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/clothing and eye/face protection. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage. Store locked up. Dispose of contents/container to an approved waste disposal plant.

Supplemental information: None

2.3. Other hazards

Bisphenol A, 4-Nonylphenol, branched: substances identified as having endocrine disrupting properties.

SECTION 3: COMPOSITION/INFORMATION ON I	INGREDIENTS		
3.2. Mixtures			
Hazardous Ingredients ¹	% Wt.	CAS No.	GHS Classification
Methyleneoxide, polymer with benzenamine, hydrogenated	10-40	135108-88-2	Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Chronic 3, H412
Diethylenetriamine*	5-10	111-40-0	Acute Tox. 2, H330 Acute Tox. 4, H302/312 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Skin Sens. 1, H317
Bisphenol A	3-7	80-05-7	Repr. 1B, H360F STOT SE 3, H335 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411
4-Nonylphenol, branched	1-5	84852-15-3	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M-factor acute/chronic: 10)

Tetraethyleneper	aethylenepentamine 1-5 112-57-2 Acute Tox. 4, H312/H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 2, H411					
N-(3-(trimethoxys	ilyl)propyl)et	hylenediamine	0.1-0.9	1760-24-3	Acute Tox. 4, H332 Acute Tox. 5, H303 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373 (respiratory system, inhalation)	
Other ingredients	6:		4.0	44000 00 7		
Silica (Quartz)	etatomonte: (1-3	14808-60-7	Not classified."	
*This component *Substance with	is toxic by ir a workplace	halation if sprayed or exposure limit.	if aerosol/mis	t is created. Refe	r to section 11 for additional toxicity information.	
¹ Classified accordi	ng to: 29 CFI Austra	R 1910.1200, 1915, 1916 lia, GHS	6, 1917, Mass. I	Right-to-Know Law	(ch. 40, M.G.LO. 111F), WHMIS 2022, Safe Work	
SECTION 4: FIF	RST AID ME	ASURES				
4.1. Description	of first aid	neasures				
Inhalation:	Remove to	fresh air. If not breath	ing, administe	er artificial respirat	tion. Contact physician.	
Skin contact:	Wash skin	with soap and water. F	Remove conta	aminated clothing	and wash before reuse. Consult physician.	
Eye contact:	Flush eyes	for at least 30 minutes	s with large a	mounts of water.	Contact physician immediately.	
Ingestion:	Do not indu	ice vomiting without m	edical advice	. Never give anyth	hing by mouth to an unconscious person. If	
	person is c immediatel	onscious, rinse mouth y.	with water ar	nd give small quar	ntities of water to drink. Contact physician	
Protection of fire	st-aiders:	No action shall be ta the product while pro recommendations o	aken involving oviding aid to n personal pr	any personal risk the victim. Do no otective equipmer	k or without suitable training. Avoid contact with t breathe mist. See section 8.2.2 for nt.	
4.2. Most import	ant sympto	ms and effects, both	acute and d	elayed		
Risk of serious da irritation, headacl cause nausea, he allergic response	Risk of serious damage to eyes. Irritating to skin. High vapor concentrations and mist can cause severe eye and respiratory tract irritation, headache, dizziness, nausea and possibly shortness of breath. Product is readily absorbed through the skin and may cause nausea, headache and general discomfort. Prolonged or repeated contact may cause asthma, skin sensitization and other allergic responses.					
4.3. Indication o	f any immed	diate medical attention	on and speci	al treatment nee	ded	
Treat symptoms.						
SECTION 5: FIF	RE-FIGHTIN	G MEASURES				
5.1. Extinguishin	ng media					
Suitable extingu	ishing med	ia: Carbon dioxide	e, dry chemic	al, foam or water	fog	
Unsuitable extin	iguishing m	edia: Water jets				
5.2. Special haz	ards arising	from the substance	or mixture			
Hazardous com	bustion pro	ducts: May generation form carbon	ate: ammonia n monoxide.	gas, toxic nitroge	en oxide gases. Incomplete combustion may	
Other hazards:	Other hazards: Use of water may result in the formation of very toxic aqueous solutions. Do not allow runoff from firefighting to enter drains or water courses.					
5.3. Advice for f	irefighters					
Cool exposed co	Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.					
Australian HAZ	Australian HAZCHEM Emergency Action Code: 2 Z					
SECTION 6: AC	CIDENTAL	RELEASE MEASURE	S			
6.1. Personal pr	ecautions, p	protective equipment	and emerge	ncy procedures		
Evacuate area. P	Provide adeq	uate ventilation. Utilize	exposure co	ntrols and person	al protection as specified in Section 8.	
6.2. Environmer	tal Precauti	ons				
Keep out of sewe	ers, streams	and waterways.				

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6.3. Methods and material for containment and cleaning up

Scoop up and transfer to a suitable container for disposal. Flush final traces of spill with water.

6.4. Reference to other sections

Refer to section 13 for disposal advice.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not breathe spray. Utilize exposure controls and personal protection as specified in Section 8. Do not contaminate with sodium nitrite or other nitrosating agents, which could cause the formation of cancer-causing nitrosamine. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash before reuse. Contaminated work clothing must not be allowed out of the workplace. Contaminated leather including shoes cannot be decontaminated and should be discarded. Avoid creating and breathing dust during removal, drilling, grinding, sawing or sanding.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area. Do not store near acids.

7.3. Specific end use(s)

No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values

Ingredients	OSHA ppm	NPEL ¹ mg/m ³	ACGIH ppm	l TLV ² mg/m ³	AUSTRA ppm	LIA ES ³ mg/m ³
Methyleneoxide, polymer with benzenamine, hydrogenated	N/A	N/A	N/A	N/A	N/A	N/A
Diethylenetriamine	N/A	N/A	1 (skin)	4.2	1 (skin)	4.2
Bisphenol A	N/A	N/A	N/A	N/A	N/A	N/A
4-Nonylphenol, branched	N/A	N/A	N/A	N/A	N/A	N/A
Tetraethylenepentamine	N/A	N/A	N/A	N/A	N/A	N/A
N-(3- (trimethoxysilyl)propyl)ethylenediam ine	N/A	N/A	N/A	N/A	N/A	N/A
Silica (Quartz)	(resp.) (total)	0.05 0.3	(resp.)	0.025	(resp.)	0.1

¹ United States Occupational Health & Safety Administration permissible exposure limits

² American Conference of Governmental Industrial Hygienists threshold limit values

³ Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

¹ United States Occupational Health & Safety Administration permissible exposure limits

² American Conference of Governmental Industrial Hygienists threshold limit values

³ Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

Biological limit values

Not available

8.2. Exposure controls

8.2.1. Engineering measures

Provide sufficient ventilation to keep the concentrations below the exposure limits. If it is necessary to alter the final cured product such that dust may be generated, use adequate dust extraction or damp down.

8.2.2. Individual protection measures

Respiratory protection: In case of insufficient ventilation, use a self-contained breathing apparatus (SCBA), supplied air respirator (SAR) or air-purifying respirator (APR) with a suitable filter (e.g., EN filter type A-P2). During spraying, wear suitable respiratory equipment.

Protective gloves:	Chemical resistant gloves (e.g., natural rubber or neoprene)					
	Diethylenetriamine:					
	Contact type	Glove material	Laver thickness	Breakthrough time*		
	Full	neoprene	0.65 mm	> 480 min.		
	Splash	natural rubber	0.6 mm	> 60 min.		
	*Determined according	to EN374 standard				
Eye and face protection:	Full face shield with go	ggles underneath.				
Other:	Impervious clothing as	necessary to prever	nt skin contact.			
8.2.3. Environmental exposu	re controls					
Refer to sections 6 and 12.						
SECTION 9: PHYSICAL AND	CHEMICAL PROPER	TIES				
9.1. Information on basic phy	ysical and chemical pr	roperties				
Physical state	paste	рН		not applicable		
Colour	tan	Kinem	atic viscosity	6400 cSt @ 25°C		
Odour Odour threshold	amine odor	Solubi Partiti	lity in water	Insoluble		
	not determined	n-octa	nol/water (log value)			
Boiling point or range	not determined	Vapou	r pressure @ 20°C	not determined		
Melting point/freezing point	not determined	Densit	y and/or relative density	1.25 kg/l		
% Volatile (by volume)	0%	Weigh	t per volume	10.4 lbs/gal.		
Flammability	not determined	vapou Bato o	r density (air=1) f ovenoration (other=1)	> 1 < 1		
explosion limits	not determined	Nate 0	revaporation (ether-1)			
Flash point	121°C (250°F)	% Aro	matics by weight	0%		
Method	PM Closed Cup	Particl	e characteristics	not applicable		
Autoignition temperature	not determined	Explos	sive properties	not determined		
Decomposition temperature	not determined	Uxidis	ing properties	not determined		
None						
10.1 Reactivity						
Refer to sections 10.3 and 10	5					
10.2 Chemical stability	0.					
Stable						
10.3 Possibility of hazardou	s reactions					
No dangerous reactions know	a under conditions of no	rmaluse				
10.4 Conditions to avoid						
Open flames and high tempera	atures					
10.5. Incompatible materials						
Strong acids and strong oxidiz	ers like liquid Chlorine a	and concentrated Ox	waen Reactive metals Re	action with peroxides may		
result in violent decomposition	of peroxide possibly cre	eating an explosion.				
10.6. Hazardous decomposit	ion products					
Nitric acid, NOx, Ammonia, Ca fumes.	rbon Monoxide, Carbon	n Dioxide, aldehydes	s, flammable hydrocarbon f	ragments and other toxic		
SECTION 11: TOXICOLOGIC	CAL INFORMATION					
11.1. Information on toxicolo	gical effects					
Primary route of exposure under normal use: Inhalation, skin and eye contact. Personnel with pre-existing allergies, eczema or skin condition may be aggravated by exposure. Acute toxicity - Inhalation, skin and eye contact. Personnel with pre-existing allergies, eczema or skin condition						

	Substance	Test	Result		
	Formaldehyde, polymer with benzenamine, hydrogenated	LD50, rat	449 mg/kg		
	Diethylenetriamine	LD50, rat	1080 mg/kg		
	Bisphenol A	LD50, rat	3250 mg/kg		
	4-Nonviphenol, branched	1 D50, rat	1300 mg/kg		
	Tetraethylenepentamine		2100 mg/kg		
	N-(3-	1 D50 rat	2413 mg/kg		
	(trimethoxysilyl)propyl)ethylenediam	line	21101119/119		
Dermal:	Product is readily absorbed through the discomfort. May be harmful in contact	he skin and may cause nausea, h t with skin. ATE-mix: 2922 mg/kg.	eadache and general		
	Substance	Test	Result		
	Formaldebyde, polymer with	I D50_rat	2673 mg/kg		
	benzenamine, hydrogenated		2073 Hig/kg		
	Diethylenetriamine	LD50, rabbit	1045 mg/kg		
	Bisphenol A	LD50, rabbit	3600 mg/kg		
	4-Nonylphenol, branched	LDLo, rabbit	3160 mg/kg		
	Tetraethylenepentamine	LD50, rabbit	660 mg/kg (RTECS		
	N-(3-	LD50, rat	20009 mg/kg		
	Substance	Test	Result		
	Diethylenetriamine	LC50, rat, 4 h	> 0.07-<0.3 mg/l/4 (mist)		
	Diethylenetriamine	LC50, rat, 4 h	No mortality at vapor saturation level		
	Bisphenol A	LC0, rat, 6 h	0.17 mg/l (mist, maximum attainabl concentration)		
	N-(3- (trimethoxysilyl)propyl)ethylenediam	LD50 Inhalation, rat	> 1.49 mg/l (mist)		
in corrosion/irritation:	Irritating to skin.				
	Substance	Test	Result		
	ARC CS2 (Part B)	Corrositex® (OECD 435)	Non-corrosive		
	Diethylenetriamine	Skin irritation, rabbit	Corrosive		
rious eye damage/	Risk of serious damage to eyes.				
	Substance	Test	Result		
	Diethylenetriamine	Eye irritation	Corrosive		
spiratory or skin nsitisation:	Prolonged or repeated contact may cause asthma, skin sensitization and other allergic responses.				
	Substance	Test	Result		
	Diethylenetriamine	Skin sensitization, guinea pig	Sensitizing		
rm cell mutagenicity:	Diethylenetriamine: based on availab	le data, the classification criteria a	ire not met.		
rcinogenicity:	Repeated inhalation of respirable free silica may cause scarring of the lungs with cough and shortness of breath. Silicosis, a delayed lung injury that is a disabling, progressive and sometimes fatal pulmonary fibrosis, may result. The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) have classified inhaled silica as a				

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Reproductive toxicity:	Bisphenol A has produced effects on fertility in animal ingestion studies. 4-Nonylphenol, branched: has been shown to cause reproductive/teratogenic effects in laboratory animals. Diethylenetriamine: not expected to cause toxicity.
STOT – single exposure:	Diethylenetriamine, Bisphenol A: may cause respiratory irritation.
STOT – repeated exposure:	May cause damage to organs through prolonged or repeated exposure if swallowed.
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

Very toxic to aquatic life with long lasting effects. 4-Nonylphenol, branched: 48 h EC50 (for daphnia) = 0.0848 mg/l.

12.2. Persistence and degradability

Diethylenetriamine, Tetraethylenepentamine: expected to be resistant to biodegradation. Bisphenol A, 4-Nonylphenol, branched: inherently biodegradable. N-(3-(trimethoxysilyl)propyl)ethylenediamine: hydrolyzes in water or moist air, releasing methanol and organosilicons; biodegradation 50% (OECD 301A, 28 days).

12.3. Bioaccumulative potential

Diethylenetriamine, Tetraethylenepentamine, Bisphenol A: bioconcentration in aquatic organisms is not expected to be significant. 4-Nonylphenol, branched: may bioaccumulate in fish and aquatic organisms. N-(3-(trimethoxysilyl)propyl)ethylenediamine: not expected to bioaccumulate.

12.4. Mobility in soil

Paste. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Diethylenetriamine, Tetraethylenepentamine: expected to be highly mobile in soil. Bisphenol A: expected to have moderate to low mobility in soil. 4-Nonylphenol, branched: expected to be immobile in soil.

12.5. Endocrine disrupting properties

Bisphenol A, 4-Nonylphenol, branched: substances identified as having endocrine disrupting properties.

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:	UN3082
TDG:	UN3082
US DOT:	UN3082
14.2. UN proper shipping name	
ADG/ADR/RID/ADN/IMDG/ICAO:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAETHYLENEPENTAMINE)
TDG:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAETHYLENEPENTAMINE)
US DOT:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAETHYLENEPENTAMINE)
14.3. Transport hazard class(es)	
ADG/ADR/RID/ADN/IMDG/ICAO:	9
TDG:	9
US DOT:	9
14.4. Packing group	
ADG/ADR/RID/ADN/IMDG/ICAO:	III
TDG:	III
US DOT:	III
14.5. Environmental hazards	
MARINE POLLUTANT	

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14.6. Special precautions for user			
NO SPECIAL PRECAUTIONS FOR USER			
14.7. Maritime transport in bulk according to IMO in	struments		
NOT APPLICABLE			
14.8. Other information			
US DOT: ERG NO.171,			
MAY BE SHIPPED AS NON-RESTRICTED IN NON-B OR AIRCRAFT.	ULK PACKAGINGS (119 GALLONS C	OR LESS) BY MO	DTOR VEHICLE, RAIL CAR
(49 CFR 171.4(C))			
IMDG: EMS. F-A, S-F			
MAY BE SHIPPED AS NON-RESTRICTED IN SINGL	E OR COMBINATION PACKAGINGS	CONTAINING A	NET QUANTITY PER
	DR LESS. (IMDG CODE AMENDMEN	1 37-14, 2.10.2.7	
ICAU/IATA: MAY BE SHIPPED AS NON-RESTRICTE	ED IN SINGLE OR COMBINATION PA		
SPECIAL PROVISIONS A197)	3 E OK EESS.(IATA DANGEROUS G	OOD3 REGULA	HON 30 EDITION, 4.4
ADR: CLASSIFICATION CODE M6 TUNNEL RESTRI	CTION CODE (E)		
MAY BE SHIPPED AS NON-RESTRICTED IN SINGL	E OR COMBINATION PACKAGINGS	CONTAINING A	NET QUANTITY PER
SINGLE OR INNER PACKAGING OF 5 L	DR LESS. (ADR 2015 VOLUME 1, CH.	APTER 3.3 SPE	CIAL PROVISIONS 375)
SECTION 15: REGULATORY INFORMATION			
15.1. Safety, health and environmental regulations/I	egislation specific for the subst	ance or mixtu	re
15.1.1. National regulations			
US EPA SARA TITLE III			
312 Hazards:	Chemicals subject to reporting EPCRA and of 40 CFR 372:	requirements	s of Section 313 of
Acute toxicity	Bisphenol A	80-05-7	3-7%
Skin irritation	4-Nonylphenol, branched	84852-15-3	1-5%
Serious eye damage			
Skin sensitization			
Reproductive toxicity			
Specific target organ toxicity – repeated exposure			

TSCA: All chemical components are listed or exempted.

Other national re	gulations:	DSL: Included on Inventory
SECTION 16: OT	HER INFORM	IATION
SECTION 16: OT Abbreviations and acronyms:	HER INFORM ADG: Austra ADN: Europ ADR: Europ ATE: Acute BCF: Biocor cATpE: Con ES: Exposu GHS: Globa ICAO: Interr IMDG: Interr LC50: Letha LOEL: Lowe N/A: Not Ap NA: Not Ava NOEC: No C OECD: Orga (Q)SAR: Qu REL: Recon RID: Regula SDS: Safety STEL: Short STOT RE: S STOT SE: S TDG: Trans TWA: Time US DOT: Ur	IATION alian Dangerous Goods Code ean Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ean Agreement concerning the International Carriage of Dangerous Goods by Road Toxicity Estimate ncentration Factor iverted Acute Toxicity point Estimate re Standard Illy Harmonized System national Civil Aviation Organization national Maritime Dangerous Goods al Concentration to 50 % of a test population al Dose to 50% of a test population set Observed Effect Level iplicable aliable Observed Effect Concentration Dbserved Effect Concentration Dbserved Effect Level anization for Economic Co-operation and Development iantitative Structure-Activity Relationship nmended Exposure Limit ations concerning the International Carriage of Dangerous Goods by Rail / Data Sheet t Term Exposure Limit Specific Target Organ Toxicity, Repeated Exposure Specific Target Organ Toxicity, Single Exposure iportation of Dangerous Goods (Canada) Weighted Average nited States Department of Transportation
	WHMIS: Wo Other abbre	orkplace Hazardous Materials Information System
Key literature refe and sources for o	erences C data: C H N U	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) Iational Institute of Technology and Evaluation (NITE) J.S. National Library of Medicine Toxicology Data Network (TOXNET)

Classification		Classification procedure
Acute Tox. 4, H302		Calculation method
Acute Tox. 3, H331 (mist)		Calculation method
Skin Irrit. 2, H315		Calculation method
Eye Dam. 1, H318		Calculation method
Skin Sens. 1, H317		Calculation method
Repr. 1B, H360F		Calculation method
Repr. 2, H361d		Calculation method
STOT RE 2, H373 (oral)		Calculation method
Aquatic Chronic 1, H410		Calculation method
Relevant H-statements:	H302: Harm H312: Harm H314: Caus H317: May H318: Caus H330: Fatal H332: Harm H335: May H360F: May H360F: May H361fd: Sus H373: May H400: Very H410: Very H411: Toxic H412: Harm	nful if swallowed. nful in contact with skin. ses severe skin burns and eye damage. cause an allergic skin reaction. ses serious eye damage. if inhaled. nful if inhaled. cause respiratory irritation. y damage fertility. spected of damaging fertility. Suspected of damaging the unborn child. cause damage to organs through prolonged or repeated exposure. toxic to aquatic life. toxic to aquatic life with long lasting effects. to aquatic life with long lasting effects.
Hazard pictogram names:	Corrosion, s	skull and crossbones, health hazard, environment
Further information:	None	
Date of last revision:	20 November 2024	
Changes to the SDS in thi	s revision:	Sections 1.2, 1.3, 2.1, 2.2, 3, 4.2, 5.2, 7.2, 8.1, 9.1, 11.1, 12.2-12.5, 13, 15, 16.
This information is based solely regarding the suitability of the p	/ on data provided product 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.