

# Krytox<sup>™</sup> GPL 297

Versio 6.1	on	Revision Date: 03/10/2020	SDS Number: 1788850-00009		Date of last issue: 02/19/2020 Date of first issue: 06/27/2017		
SECT	ION 1.	IDENTIFICATION					
Р	Product name		:	Krytox™ GPL 297	7		
S	SDS-Ide	entcode	:	13000031521			
N	/lanufa	cturer or supplier's o	deta	ils			
С	Compar	ny name of supplier	:	The Chemours C	ompany FC, LLC		
A	Address		:	1007 Market Street Wilmington, DE 19801 United States of America (USA)			
Т	Telephone		:	1-844-773-CHEM (outside the U.S. 1-302-773-1000)			
E	Emergency telephone		:	Medical emergency: 1-866-595-1473 (outside the U.S. 1-302- 773-2000) ; Transport emergency: +1-800-424-9300 (outside the U.S. +1-703-527-3887)			
R	Recom	mended use of the c	hen	nical and restriction	ons on use		
R	Recommended use		:	Lubricant			
R	Restricti	ions on use	:	tions involving im internal body fluid written agreemen	only. ell Chemours™ materials in medical applica- plantation in the human body or contact with s or tissues unless agreed to by Seller in a t covering such use. For further information, ur Chemours representative.		

#### **SECTION 2. HAZARDS IDENTIFICATION**

#### GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

#### **GHS** label elements

Not a hazardous substance or mixture.

#### Other hazards

The thermal decomposition vapors of fluorinated plastics may cause polymer fume fever with flulike symptoms in humans, especially when smoking contaminated tobacco.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Sodium nitrite	7632-00-0	>= 1 - < 5

Actual concentration is withheld as a trade secret



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SECTIO	N 4. FIRST AID MEASUR	RES			
lf inł	naled	: If inhaled, ren Get medical a	nove to fresh air. ttention if symptoms occur.		
In ca	ase of skin contact		ter and soap as a precaution. ttention if symptoms occur.		
In ca	ase of eye contact		Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.		
lf sw	vallowed	Get medical a	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.		
	t important symptoms effects, both acute and yed	Irritation Lung edema Eye contact n Blurred vision Discomfort Lachrymation			
Prot	ection of first-aiders	: No special pro	ecautions are necessary for first aid responders.		
Note	es to physician	: Treat sympton	matically and supportively.		

## SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Not applicable Will not burn
Unsuitable extinguishing media	:	Not applicable Will not burn
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Hydrogen fluoride carbonyl fluoride potentially toxic fluorinated compounds aerosolized particulates Carbon oxides Metal oxides Sulfur oxides Nitrogen oxides (NOx)
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do



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				so. Evacuate area.	
	Special protective equipment for fire-fighters		:	Wear self-contain necessary. Use personal prot	ed breathing apparatus for firefighting if ective equipment.
SEC	TION 6	ACCIDENTAL RELE	ASI	E MEASURES	
	Personal precautions, protec- tive equipment and emer- gency procedures		:	Follow safe handling advice and personal protective equipment recommendations.	
	Environmental precautions		:	Prevent further lea Retain and dispos	e environment must be avoided. akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages ed.
	Methods and materials for containment and cleaning up		:	For large spills, pr ment to keep mat pumped, store red Clean up remainin bent. Local or national n sal of this materia ployed in the clea which regulations Sections 13 and 1	a absorbent material. rovide diking or other appropriate contain- erial from spreading. If diked material can be covered material in appropriate container. In g materials from spill with suitable absor- regulations may apply to releases and dispo- I, as well as those materials and items em- nup of releases. You will need to determine are applicable. 5 of this SDS provide information regarding tional requirements.

#### SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	:	No special restrictions on storage with other products.
Further information on stor- age stability	:	No decomposition if stored and applied as directed.



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#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Hydrofluoric acid	7664-39-3	TŴA	3 ppm 2.5 mg/m <sup>3</sup>	NIOSH REL
		С	6 ppm 5 mg/m³	NIOSH REL
		TWA	3 ppm	OSHA Z-2
		TWA	0.5 ppm (Fluorine)	ACGIH
		С	2 ppm (Fluorine)	ACGIH
Carbonyl difluoride	353-50-4	TWA	2 ppm	ACGIH
		STEL	5 ppm	ACGIH
		ST	5 ppm 15 mg/m³	NIOSH REL
		TWA	2 ppm 5 mg/m <sup>3</sup>	NIOSH REL
Carbon dioxide	124-38-9	TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	NIOSH REL
		ST	30,000 ppm 54,000 mg/m <sup>3</sup>	NIOSH REL
Carbon monoxide	630-08-0	TWA	25 ppm	ACGIH
		TWA	35 ppm 40 mg/m³	NIOSH REL
		С	200 ppm 229 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm 55 mg/m <sup>3</sup>	OSHA Z-1

**Engineering measures** 

Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

#### Personal protective equipment

:

1

Respiratory protection

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are



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		Follow use NI by air dous c respira expose	wn, appropriate respiratory protection should be worn. OSHA respirator regulations (29 CFR 1910.134) and OSH/MSHA approved respirators. Protection provided purifying respirators against exposure to any hazar- chemical is limited. Use a positive pressure air supplied ator if there is any potential for uncontrolled release, ure levels are unknown, or any other circumstance air purifying respirators may not provide adequate tion.
Hand	I protection		
Re	emarks	: Wash	hands before breaks and at the end of workday.
Eye p	Eye protection		the following personal protective equipment: glasses
Skin	and body protection	: Skin s	hould be washed after contact.
Hygie	ene measures	eye flu king pl When	osure to chemical is likely during typical use, provide shing systems and safety showers close to the wor- ace. using do not eat, drink or smoke. contaminated clothing before re-use.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Grease
Color	:	yellow
Odor	:	odorless
Odor Threshold	:	No data available
рН	:	7
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Will not burn
Upper explosion limit / Upper	:	No data available



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fl	lammal	bility limit			
	Lower explosion limit / Lower flammability limit		:	No data available	
V	/apor p	ressure	:	Not applicable	
R	Relative	e vapor density	:	Not applicable	
F	Relative	edensity	:	1.9	
S	Solubilit Wate	y(ies) er solubility	:	insoluble	
	Partition coefficient: n- octanol/water		:	Not applicable	
A	Autoign	ition temperature	:	No data available	)
C	Decomposition temperature		:	608 °F / 320 °C	
V	/iscosit/ Visco	y osity, kinematic	:	Not applicable	
E	Explosiv	ve properties	:	Not explosive	
C	Oxidizing properties		:	The substance of	r mixture is not classified as oxidizing.
F	Particle	size	:	No data available	)

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac- tions	:	Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid	:	None known.
Incompatible materials	:	None.

#### Hazardous decomposition products Thermal decomposition : Hyd

hermal decomposition	:	Hydrofluoric acid
		Carbonyl difluoride
		Carbon dioxide
		Carbon monoxide



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ECTION	11. TOXICOLOGICA	LINF	ORMATION	
Infori	nation on likely rout	es of	exposure	
Inges	contact tion ontact			
Acute	e toxicity			
	assified based on ava	ailable	information.	
Prod	uct:			
Acute	oral toxicity	:	Assessment: Th icity	ne substance or mixture has no acute oral to:
Acute	inhalation toxicity	:	Acute toxicity es Exposure time: Test atmospher Method: Calcula	e: dust/mist
<u>Com</u>	oonents:			
Sodiu	um nitrite:			
Acute	oral toxicity	:	LD50 (Rat): 180	) mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): 5.5 Exposure time: Test atmospher	4 h
Skin	corrosion/irritation			
Not cl	assified based on ava	ailable	information.	
Com	<u>oonents:</u>			
Sodiu	um nitrite:			
Speci	es	:	Rabbit	
Metho	bd	:	OECD Test Gui	
Resu	lt	:	No skin irritatior	1
Sorio	us eye damage/eye	irritati	on	
	assified based on ava			
	oonents:			
	um nitrite:			
Speci			Rabbit	
Resu		:		s, reversing within 21 days
Metho	ad a		OECD Test Gui	

#### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.



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•	iratory sensitization	on wailable information.	
	cell mutagenicity		
	assified based on a ponents:	vailable information.	
Sodiu	um nitrite:		
	toxicity in vitro	: Test Type: Ba Result: positi	acterial reverse mutation assay (AMES) ve
		Test Type: In Result: positi	vitro mammalian cell gene mutation test ve
Geno	toxicity in vivo	cytogenetic a Species: Mou	
		Result: negat	
		cytogenetic a Species: Rat Application R	oute: Intraperitoneal injection
	nogenicity assified based on a	Result: negat	ive
Not cl		vailable information.	ive
Not cl <u>Comp</u>	assified based on a	-	ive
Not cl <u>Comp</u> Sodiu Speci	assified based on a <u>conents:</u> um nitrite: es	vailable information.	ive
Not cl <u>Comp</u> Sodiu Speci Applic	assified based on a <u>conents:</u> um nitrite: es cation Route	vailable information. : Rat : Ingestion	ive
Not cl <u>Comp</u> Sodiu Speci Applic	assified based on a <u>conents:</u> um nitrite: es cation Route sure time	vailable information.	live
Not cl <u>Comp</u> Sodiu Speci Applic Expos Resul	assified based on a <u>conents:</u> um nitrite: es cation Route sure time t	available information. : Rat : Ingestion : 2 Years : negative	
Not cl Comp Sodiu Speci Applic Expos	assified based on a <u>conents:</u> um nitrite: es cation Route sure time t Group 2/ Sodium r	Rat E Rat E Ingestion E 2 Years E negative A: Probably carcinogen	
Not cl <u>Comp</u> Sodiu Speci Applic Expos Resul	assified based on a <u>conents:</u> um nitrite: es cation Route sure time t Group 2/ Sodium r (nitrite (ir No comp	<ul> <li>Rat</li> <li>Ingestion</li> <li>2 Years</li> <li>negative</li> <li>A: Probably carcinogen</li> <li>hitrite</li> <li>ngested) under conditio</li> </ul>	ic to humans 7632-00-0 Ins that result in endogenous nitrosation) resent at levels greater than or equal to 0.1% is
Not cl <u>Comp</u> Sodiu Speci Applic Expos Resul IARC	assified based on a <u>ponents:</u> um nitrite: es cation Route sure time t Group 2/ Sodium r (nitrite (ir A No comp on OSH/ No ingree	<ul> <li>Rat</li> <li>Ingestion</li> <li>2 Years</li> <li>negative</li> <li>A: Probably carcinogen</li> <li>hitrite</li> <li>ngested) under condition</li> <li>Nonent of this product pression</li> <li>N's list of regulated carc</li> <li>dient of this product pression</li> </ul>	ic to humans 7632-00-0 Ins that result in endogenous nitrosation) resent at levels greater than or equal to 0.1% is
Not cl Comp Sodiu Speci Applic Expos Resul IARC OSHA	assified based on a <u>ponents:</u> um nitrite: es cation Route sure time t Group 2/ Sodium r (nitrite (ir A No comp on OSH/ No ingree	<ul> <li>Rat</li> <li>Ingestion</li> <li>2 Years</li> <li>negative</li> <li>A: Probably carcinogen</li> <li>hitrite</li> <li>ngested) under condition</li> <li>Nonent of this product pression</li> <li>N's list of regulated carc</li> <li>dient of this product pression</li> </ul>	ic to humans 7632-00-0 ons that result in endogenous nitrosation) resent at levels greater than or equal to 0.1% is cinogens.
Not cl Comp Sodiu Speci- Applic Expos Resul IARC OSHA NTP Repro	assified based on a <u>conents:</u> um nitrite: es cation Route sure time t Group 2/ Sodium r (nitrite (ir No comp on OSH/ No ingree identified	<ul> <li>Rat</li> <li>Ingestion</li> <li>2 Years</li> <li>negative</li> <li>A: Probably carcinogen</li> <li>hitrite</li> <li>ngested) under condition</li> <li>Nonent of this product pression</li> <li>N's list of regulated carc</li> <li>dient of this product pression</li> </ul>	ic to humans 7632-00-0 ons that result in endogenous nitrosation) resent at levels greater than or equal to 0.1% is cinogens.
Not cl Comp Sodiu Speci Applic Expos Resul IARC OSHA NTP	assified based on a <u>conents:</u> um nitrite: es cation Route sure time t Group 2/ Sodium r (nitrite (ir No comp on OSH/ No ingree identified	Available information.	ic to humans 7632-00-0 ons that result in endogenous nitrosation) resent at levels greater than or equal to 0.1% is cinogens.
Not cl Comp Sodiu Speci Applic Expos Resul IARC OSHA NTP Repro Not cl <u>Comp</u>	assified based on a <u>ponents:</u> um nitrite: es cation Route sure time t Group 2/ Sodium r (nitrite (ir No comp on OSH/ No ingrea identified pductive toxicity assified based on a	Available information.	ic to humans 7632-00-0 ons that result in endogenous nitrosation) resent at levels greater than or equal to 0.1% is cinogens.





ersion 1	Revision Date: 03/10/2020		98 Number: 88850-00009	Date of last issue: 02/19/2020 Date of first issue: 06/27/2017
			Species: Mouse Application Route Result: negative	e: Ingestion
Effect	s on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	vo-fetal development e: Ingestion
	-single exposure			
	assified based on availa	ble	information.	
	-repeated exposure assified based on availa	hle	information	
	ated dose toxicity	UIG		
-	-			
	oonents:			
	um nitrite:		Det	
Speci NOAE		÷	Rat 10 mg/kg	
-	cation Route	:	Ingestion	
Expos	sure time	:	2 у	
Aspir	ation toxicity			
Not cl	assified based on availa	ble	information.	
CTION	12. ECOLOGICAL INFO	DRN	ΙΑΤΙΟΝ	
Ecoto	oxicity			
Com	oonents:			
Sodiu	ım nitrite:			
Toxic	ity to fish	:	LC50 (Oncorhyno Exposure time: 90	chus mykiss (rainbow trout)): 0.54 mg/l 6 h
Toxic	ity to daphnia and other	:	EC50 (Daphnia m	nagna (Water flea)): 15.4 mg/l
aquat	ic invertebrates		Exposure time: 44 Method: OECD T	8 h est Guideline 202
Toxic	ity to algae/aquatic	:	EC50 (Scenedes	mus capricornutum (fresh water algae)): >
plants			100 mg/l	- <i></i>
			Exposure time: 72 Method: OECD T	
			NOEC (Scenedes	smus capricornutum (fresh water algae)): 1

Exposure time: 72 h

Method: OECD Test Guideline 201

NOEC (Cyprinus carpio (Carp)): 21 mg/l Exposure time: 30 d

mg/l

:

Toxicity to fish (Chronic tox-

icity)



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			Method: OECD T	est Guideline 210
aqu	cicity to daphnia and other natic invertebrates (Chron- pxicity)	:	NOEC (Penaeid S Exposure time: 80	Shrimp): 9.86 mg/l ) d
То	cicity to microorganisms	:	EC50: 281 mg/l Exposure time: 48	3 h
	sistence and degradabili data available	ity		
	accumulative potential data available			
Мо	bility in soil			
No	data available			
Oth	ner adverse effects			
No	data available			

#### SECTION 13. DISPOSAL CONSIDERATIONS

#### **Disposal methods**

Waste from residues	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

#### **SECTION 14. TRANSPORT INFORMATION**

#### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### **Domestic regulation**

49 CFR	
UN/ID/NA number	: UN 3077
Proper shipping name	: Environmentally hazardous substance, solid, n.o.s. (Sodium nitrite)
Class	: 9
Packing group	: III
Labels	: CLASS 9



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ERG ( Marine Rema	e pollutant	SIZES WHER	NFORMATION ONLY APPLIES TO PACKAGE E THE HAZARDOUS SUBSTANCE MEETS 'ABLE QUANTITY.

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### **SECTION 15. REGULATORY INFORMATION**

#### **EPCRA - Emergency Planning and Community Right-to-Know**

#### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Sodium nitrite	7632-00-0	100	5050

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	No SARA Hazards	5	
SARA 313	:	The following components are subject to reporting levels es tablished by SARA Title III, Section 313:		reporting levels es-
		Sodium nitrite	7632-00-0	>= 1 - < 5 %

#### US State Regulations

#### Pennsylvania Right To Know

PFPE fluid	Trade secret
Fluoropolymer	Trade secret
Sodium nitrite	7632-00-0

#### California Prop. 65

WARNING: This product can expose you to chemicals including pentadecafluorooctanoic acid, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Note to User: This product is not made with PFOA nor is PFOA intentionally present in the product; however, it is possible that PFOA may be present as an impurity at background (environmental) levels.

may be present as an impunty at back	ground (environmental) levels.	
California List of Hazardous Substan	nces	
Molybdenum compound Sodium nitrite		Trade secret 7632-00-0
Additional regulatory information		
Sodium nitrite	7632-00-0	

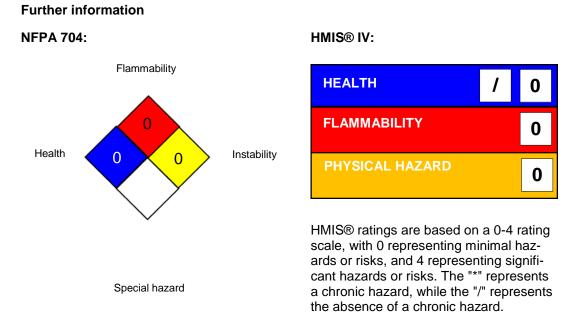


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The United States Environmental Protection Agency (USEPA) has established a Significant New Use Rule (SNUR) for one of the components in this product. See 40 CFR § 721.4740

#### SECTION 16. OTHER INFORMATION



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Chemours <sup>™</sup> and the Chemours Logo are trademarks of The Chemours Company. Before use read Chemours safety information.

For further information contact the local Chemours office or nominated distributors.

#### Full text of other abbreviations

ACGIH NIOSH REL OSHA Z-1	:	USA. ACGIH Threshold Limit Values (TLV) USA. NIOSH Recommended Exposure Limits USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
OSHA Z-2	:	USA. Occupational Exposure Limits (OSHA) - Table Z-2
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
ACGIH / C	:	Ceiling limit
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
NIOSH REL / C	:	Ceiling value not be exceeded at any time.
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-2 / TWA	:	8-hour time weighted average



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AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG -United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8