

Vers 4.0	ion	Revision Date: 04/03/2018		0S Number: 89968-00004	Date of last issue: 01/09/2018 Date of first issue: 06/26/2017			
SEC	TION 1	. IDENTIFICATION						
	Produc	t name	:	Krytox™ AUT 224	15			
	Produc	t code	:	D13975293				
	SDS-Id	entcode	:	130000036185				
	Manufa	acturer or supplier's o	deta	iils				
	Compa	ny name of supplier	:					
	Address		:	1007 Market Street Wilmington, DE 19899 United States of America (USA)				
	Telephone		:	1-844-773-CHEM (outside the U.S. 1-302-773-1000)				
	Emerge	ency telephone	:		cy: 1-866-595-1473 (outside the U.S. 1-302- nsport emergency: +1-800-424-9300 (outside 27-3887)			
	Recom	mended use of the c	hen	nical and restriction	ons on use			
	Recom	mended use	:	Lubricant				
	Restrict	tions on use	:	tions involving imp 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

Hazardous ingredients

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



Krytox™ AUT 2245

Version 4.0	Revision Date: 04/03/2018		OS Number: 89968-00004	Date of last issue: 01/09/2018 Date of first issue: 06/26/2017
SECTION	4. FIRST AID MEASU	RES		
lf inha	aled	:	If inhaled, remo Get medical atte	ve to fresh air. ention if symptoms occur.
In cas	se of skin contact	:		r and soap as a precaution. ention if symptoms occur.
In cas	se of eye contact	:		water as a precaution. ention if irritation develops and persists.
lf swa	allowed	:	Get medical atte	D NOT induce vomiting. ention if symptoms occur. proughly with water.
	important symptoms iffects, both acute and ed	:	Irritation Lung edema Eye contact ma Blurred vision Discomfort Lachrymation	provoke the following symptoms: y provoke the following symptoms y provoke the following symptoms:
Prote	ction of first-aiders	:	No special prec	autions are necessary for first aid responders
Notes	s to physician	:	Treat symptoma	tically and supportively.

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 Nitrogen oxides (NOx) Metal oxides
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

Krytox™ AUT 2245



Vers 4.0	ion	Revision Date: 04/03/2018		9S Number: 89968-00004	Date of last issue: 01/09/2018 Date of first issue: 06/26/2017
				so. Evacuate area.	
	Special for fire-	protective equipment fighters	:	Wear self-contain necessary. Use personal prot	ed breathing apparatus for firefighting if ective equipment.
SEC	TION 6	ACCIDENTAL RELE	AS	E MEASURES	
	tive equ	al precautions, protec- uipment and emer- procedures	:	Follow safe handli equipment recomi	ng advice and personal protective nendations.
	Environ	mental precautions	:	Prevent further lea Retain and dispos	e environment must be avoided. akage or spillage if safe to do so. e of contaminated wash water. should be advised if significant spillages ed.
		ls and materials for ment and cleaning up	:	For large spills, pr containment to ke can be pumped, s container. Clean up remainin absorbent. Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	absorbent material. ovide diking or other appropriate ep material from spreading. If diked material tore recovered material in appropriate ng materials from spill with suitable egulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to egulations 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 assessment 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.



Krytox[™] AUT 2245

Version	Revision Date:	SDS Number:	Date of last issue: 01/09/2018
4.0	04/03/2018	1789968-00004	Date of first issue: 06/26/2017

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	TWA	3 ppm 2.5 mg/m ³	NIOSH REL
		С	6 ppm 5 mg/m ³	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 ³	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 ³	OSHA Z-1
		TWA	5,000 ppm 9,000 mg/m ³	NIOSH REL
		ST	30,000 ppm 54,000 mg/m ³	NIOSH REL
Carbon monoxide	630-08-0	TWA	25 ppm	ACGIH
		TWA	35 ppm 40 mg/m ³	NIOSH REL
		С	200 ppm 229 mg/m ³	NIOSH REL
		TWA	50 ppm 55 mg/m³	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

Respiratory protection

: General and local exhaust ventilation is recommended to



Version 4.0	Revision Date: 04/03/2018		DS Number: 789968-00004	Date of last issue: 01/09/2018 Date of first issue: 06/26/2017
			concentrations ar unknown, approp Follow OSHA res use NIOSH/MSH by air purifying re hazardous chemi supplied respirato release, exposure	kposures below recommended limits. Where e above recommended limits or are riate respiratory protection should be worn. pirator regulations (29 CFR 1910.134) and A approved respirators. Protection provided spirators against exposure to any cal is limited. Use a positive pressure air or if there is any potential for uncontrolled e levels are unknown, or any other ere air purifying respirators may not provide ion.
Hand	d protection			
R	emarks	:	Wash hands befo	ore breaks and at the end of workday.
Eye	protection	:	Wear the followin Safety glasses	g personal protective equipment:
Skin	and body protection	:	Skin should be w	ashed after contact.
Hygi	ene measures	:	located close to the When using do not	lushing systems and safety showers are he working place. ot eat, drink or smoke. red clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Grease
Color	:	white
Odor	:	odorless
Odor Threshold	:	No data available
рН	:	7
Melting point/freezing point	:	608 °F / 320 °C
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 flammability limit	:	No data available
Lower explosion limit / Lower	:	No data available



Vers 4.0	ion	Revision Date: 04/03/2018		S Number: 39968-00004	Date of last issue: 01/09/2018 Date of first issue: 06/26/2017
	flamma	bility limit			
	Vapor p	pressure	:	Not applicable	
	Relative	e vapor density	:	Not applicable	
	Relative	e density	:	1.89 - 1.93 (75 °F	= / 24 °C)
	Solubili Wat	ty(ies) er solubility	:	insoluble	
	Partition octanol	n coefficient: n- /water	:	Not applicable	
	Autoign	ition temperature	:	No data available	9
	Decom	position temperature	:	608 °F / 320 °C	
	Viscosi Visc	ty osity, kinematic	:	Not applicable	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	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 : Hydrofluoric acid Carbonyl difluoride Carbon dioxide Carbon monoxide



Krytox™ AUT 2245

	Revision Date: 04/03/2018	-		Date of last issue: 01/09/2018 Date of first issue: 06/26/2017
ECTION 11	. TOXICOLOGICA	_ INFC	RMATION	
Informa	tion on likely rout	es of (exposure	
Skin con Ingestion Eye con	n			
Acute to Not class	oxicity sified based on ava	ilable	information.	
Product	:			
	al toxicity	:	Assessment: The s icity	substance or mixture has no acute oral tox-
Acute in	halation toxicity	:	Acute toxicity estim Exposure time: 4 h Test atmosphere: c Method: Calculation	dust/mist
<u>Compor</u>	nents:			
Sodium	nitrite:			
Acute or	al toxicity	:	LD50 (Rat): 180 mg	g/kg
Acute in	halation toxicity	:	LC50 (Rat): 5.5 mg Exposure time: 4 h Test atmosphere: c	
	rrosion/irritation sified based on ava	ilable	information.	
<u>Compor</u>	nents:			
Sodium	nitrite:			
Species Method Result		:	Rabbit OECD Test Guidel No skin irritation	ine 404
	eye damage/eye i sified based on ava			
	nents:			
<u>Compor</u>				
<u>Compor</u> Sodium	nitrite			
Sodium	nitrite:	•	Rabbit	
	nitrite:	:	Rabbit Irritation to eyes, re OECD Test Guidel	eversing within 21 days ine 405
Sodium Species Result Method	nitrite: tory or skin sensit	izatio	Irritation to eyes, re OECD Test Guidel	
Sodium Species Result Method Respira		: : izatio	Irritation to eyes, re OECD Test Guidel	
Sodium Species Result Method Respira Skin sei	tory or skin sensit		Irritation to eyes, re OECD Test Guidel n	



Krytox™ AUT 2245

ersion .0	Revisio 04/03/2	on Date: 2018)S Number: 89968-00004	Date of last issue: 01/09/2018 Date of first issue: 06/26/2017
Resp	iratory se	ensitization			
Not c	lassified b	ased on availa	ble	information.	
Germ	n cell mut	agenicity			
Not c	lassified b	ased on availa	ble	information.	
Com	ponents:				
Sodiı	um nitrite	:			
Geno	toxicity in	vitro	:	Test Type: Bacter Result: positive	rial reverse mutation assay (AMES)
				Test Type: In vitro Result: positive	o mammalian cell gene mutation test
Geno	toxicity in	vivo	:	Test Type: Mamn cytogenetic assay Species: Mouse	nalian erythrocyte micronucleus test (in viv /)
				•	: Intraperitoneal injection
				cytogenetic assay Species: Rat	nalian erythrocyte micronucleus test (in viv /) :: Intraperitoneal injection
Not c	i nogenici t lassified b ponents:	t y ased on availa	ble	information.	
	um nitrite				
Spec			:	Rat	
	cation Rou	ite	:	Ingestion	
Expo Resu	sure time It		÷	2 Years negative	
				-	
IARC	;	Sodium nitrite		oly carcinogenic to under conditions th	humans 7632-00-0 nat result in endogenous nitrosation)
II OSH	A			this product prese regulated carcinog	nt at levels greater than or equal to 0.1% jens.
				his product presen own or anticipated	t at levels greater than or equal to 0.1% is carcinogen by NTP.
NTP					3 ,
Repr	oductive t lassified b			information.	
Repr e Not c		toxicity		information.	
Repr Not c <u>Com</u>	lassified b	t oxicity ased on availa		information.	



Date of last issue: 01/09/2018

Krytox™ AUT 2245

Revision Date:

Version

	04/03/2018		OS Number: 89968-00004	Date of last issue: 01/09/2018 Date of first issue: 06/26/2017
			Species: Mouse Application Route Result: negative	: Ingestion
Effect	s on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	ro-fetal development : Ingestion
	-single exposure assified based on availa	ble	information.	
	-repeated exposure assified based on availa	hlo	information	
	ated dose toxicity	DIC	information.	
<u>Com</u>	<u>oonents:</u>			
	ım nitrite:			
Speci NOAE		÷	Rat 10 mg/kg	
	cation Route	÷	Ingestion	
Aspir	ation toxicity			
Not cl	ation toxicity assified based on availa			
Not cl	-			
Not cl	assified based on availa			
Not cl	assified based on availa			
Not cl CTION Ecoto Comp	assified based on availa 12. ECOLOGICAL INFO			
Not cl CTION Ecoto <u>Comp</u> Sodiu	assified based on availa 12. ECOLOGICAL INFO pxicity ponents:		I ATION	hus mykiss (rainbow trout)): 0.54 mg/l δ h
Not cl CTION Ecoto <u>Comp</u> Sodiu Toxic	assified based on availa 12. ECOLOGICAL INFO pxicity ponents: um nitrite:	DRN :	ATION LC50 (Oncorhync Exposure time: 96	5 h nagna (Water flea)): 15.4 mg/l 3 h
Not cl CTION Ecoto <u>Comp</u> Sodiu Toxici aquat	assified based on availa 12. ECOLOGICAL INFO pxicity ponents: um nitrite: ity to fish ity to daphnia and other	DRN :	AATION LC50 (Oncorhync Exposure time: 96 EC50 (Daphnia m Exposure time: 48 Method: OECD To	5 h nagna (Water flea)): 15.4 mg/l 3 h est Guideline 202 mus capricornutum (fresh water algae)): > 2 h
Not cl CTION Ecoto <u>Comp</u> Sodiu Toxici aquat	assified based on availa 12. ECOLOGICAL INFO points: um nitrite: ity to fish ity to daphnia and other ic invertebrates	DRN :	ATION LC50 (Oncorhync Exposure time: 96 EC50 (Daphnia m Exposure time: 48 Method: OECD To EC50 (Scenedesi 100 mg/l Exposure time: 72 Method: OECD To	5 h hagna (Water flea)): 15.4 mg/l 3 h est Guideline 202 mus capricornutum (fresh water algae)): > 2 h est Guideline 201 smus capricornutum (fresh water algae)): 1 2 h
Not cl Ecoto Comp Sodiu Toxici aquat Toxici	assified based on availa 12. ECOLOGICAL INFO points: um nitrite: ity to fish ity to daphnia and other ic invertebrates	DRN :	ATION LC50 (Oncorhync Exposure time: 96 EC50 (Daphnia m Exposure time: 48 Method: OECD To EC50 (Scenedesi 100 mg/l Exposure time: 72 Method: OECD To NOEC (Scenedesi mg/l Exposure time: 72 Method: OECD To	5 h hagna (Water flea)): 15.4 mg/l 3 h est Guideline 202 mus capricornutum (fresh water algae)): > 2 h est Guideline 201 smus capricornutum (fresh water algae)): 1 2 h est Guideline 201 carpio (Carp)): 21 mg/l

SDS Number:



Krytox[™] AUT 2245

Version 4.0	Revision Date: 04/03/2018		DS Number: 89968-00004	Date of last issue: 01/09/2018 Date of first issue: 06/26/2017
			Method: OECD T	est Guideline 210
	y to daphnia and other invertebrates (Chron- ity)	:	NOEC (Penaeid S Exposure time: 80	Shrimp): 9.86 mg/l) d
Toxicit	y to microorganisms	:	EC50: 281 mg/l Exposure time: 48	3 h
	tence and degradabil i a available	ity		
	cumulative potential a available			
	t y in soil a available			
	adverse effects a 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 Proper shipping name	:	UN 3077 Environmentally hazardous substance, solid, n.o.s. (Sodium nitrite)
Class	:	9
Packing group	:	
Labels	:	CLASS 9



Version	Revision Date: 04/03/2018	SDS Number:	Date of last issue: 01/09/2018
4.0		1789968-00004	Date of first issue: 06/26/2017
ERG (Marine Rema	e pollutant	SIZES WHERE	FORMATION ONLY APPLIES TO PACKAGE THE HAZARDOUS SUBSTANCE MEETS BLE 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
Sodium hydroxide	1310-73-2	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

CADA 211/210 Herende No CADA Herende

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 Hazaros		
SARA 313	:	The following componen established by SARA Tit		
		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

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California List of Hazardous Substa	inces	
Sodium nitrite		7632-00-0
Additional regulatory information		
Sodium nitrite	7632-00-0	

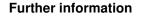


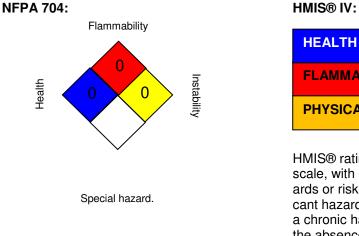
Krytox[™] AUT 2245

Version	Revision Date:	SDS Number:	Date of last issue: 01/09/2018
4.0	04/03/2018	1789968-00004	Date of first issue: 06/26/2017

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





HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Krytox[™] and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC.

Chemours [™] 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. All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	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 OSHA Z-1 / TWA OSHA Z-2 / TWA	:	Ceiling value not be exceeded at any time. 8-hour time weighted average 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation,



Krytox[™] AUT 2245

Version	Revision Date:	SDS Number:	Date of last issue: 01/09/2018
4.0	04/03/2018	1789968-00004	Date of first issue: 06/26/2017

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/

Revision Date : 04/03/2018

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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