

Versio 7.0	n Revision Date: 01/04/2019		0S Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017				
SECT	SECTION 1. IDENTIFICATION							
Р	roduct name	:	855G-021 PRIME	R BLUE				
Р	roduct code	:	D14592159					
S	DS-Identcode	:	130000127798					
Μ	lanufacturer or supplier's c	deta	nils					
С	company name of supplier	:	The Chemours Co	ompany FC, LLC				
A	Address		1007 Market Street Wilmington, DE 19899 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	ecommended use of the cl	hen	nical and restriction	ons on use				
R	ecommended use	:	Coatings					
R	estrictions on use	:	tions involving imp internal body fluid written agreemen	users only. ell Chemours™ materials in medical applica- blantation 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 according to the classification of the class	ordan :	ce with 29 CFR 1910.1200 Category 2
Reproductive toxicity	:	Category 1B
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H351 Suspected of causing cancer. H360D May damage the unborn child.



Version 7.0	Revision Date: 01/04/2019	SDS Number: 1346566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017		
Precautionary Statements		 Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been reand understood. P280 Wear protective gloves/ protective clothing/ eye protective face protection. 			
		Response: P308 + P313 IF attention.	exposed or concerned: Get medical advice/		
		Storage: P405 Store lock	ed up.		
		Disposal: P501 Dispose of posal plant.	f contents/ container to an approved waste dis-		

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 6.3168 %

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

CAS-No.	Concentration (% w/w)
57455-37-5	>= 5 - < 10
98-00-0	>= 1 - < 5
872-50-4	>= 1 - < 5
7631-86-9	>= 1 - < 5
121-44-8	>= 0.1 - < 1
100-37-8	>= 0.1 - < 1
	57455-37-5 98-00-0 872-50-4 7631-86-9 121-44-8

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.



Version 7.0	Revision Date: 01/04/2019		OS Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017		
			Get medical atter Wash clothing be Thoroughly clean			
In cas	In case of eye contact		: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.			
lf swa	If swallowed		If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.			
and e	Most important symptoms and effects, both acute and delayed		Suspected of cau May damage the	•		
Prote	ection of first-aiders	:	: First Aid responders should pay attention to self-prot and use the recommended personal protective equip when the potential for exposure exists.			
Notes	s to physician	:	Treat symptomat	ically and supportively.		

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
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 Sulfur oxides Silicon oxides Metal 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 so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.



Version 7.0	Revision Date: 01/04/2019		OS Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
SECTION	6. ACCIDENTAL RELE	AS	E MEASURES	
tive e	onal precautions, protec- quipment and emer- / procedures	:		etective equipment. ling advice and personal protective mendations.
Envir	onmental precautions	:	Prevent further le Prevent spreadin oil barriers). Retain and dispo	e environment must be avoided. eakage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages ned.
	ods and materials for inment and cleaning up	:	For large spills, p containment to ke can be pumped, a container. Clean up remaini absorbent. Local or national disposal of this m employed in the o determine which Sections 13 and	rt absorbent material. provide diking or other appropriate eep material from spreading. If diked materia store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and naterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding ational requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe vapors or spray mist. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents Organic peroxides



Version 7.0	Revision Date: 01/04/2019		DS Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
			Explosives Gases	
Recor peratu	nmended storage tem- ire	:	41 - 77 °F / 5 - 25	°C
Furthe age st	er information on stor- ability	:	Do not freeze.	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace			-	
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
C.I. Pigment Blue 29	57455-37-5	TWA (Res- pirable frac- tion)	1 mg/m³ (Aluminum)	ACGIH
Furfuryl alcohol	98-00-0	TWA	0.2 ppm	ACGIH
		TWA	10 ppm 40 mg/m ³	NIOSH REL
		ST	15 ppm 60 mg/m³	NIOSH REL
		TWA	50 ppm 200 mg/m ³	OSHA Z-1
N-Methyl-2-pyrrolidone	872-50-4	TWA	10 ppm	US WEEL
Silicon dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m³ (Silica)	NIOSH REL
Triethylamine	121-44-8	TWA	0.5 ppm	ACGIH
		STEL	1 ppm	ACGIH
		TWA	25 ppm 100 mg/m³	OSHA Z-1
2-Diethylaminoethanol	100-37-8	TWA	2 ppm	ACGIH
		TWA	10 ppm 50 mg/m ³	NIOSH REL
		TWA	10 ppm 50 mg/m³	OSHA Z-1

Ingredients with workplace control parameters

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/m³	NIOSH REL



rsion	Revision Date: 01/04/2019	SDS Number: 1346566-00036	Date of Date of		
			С	6 ppm 5 mg/m³	NIOSH RE
			TWA	3 ppm	OSHA Z-2
			TWA	0.5 ppm (Fluorine)	ACGIH
			С	2 ppm (Fluorine)	ACGIH
Carbo	onyl difluoride	353-50-4	TWA	2 ppm	ACGIH
			STEL	5 ppm	ACGIH
			ST	5 ppm 15 mg/m³	NIOSH RE
Π			TWA	2 ppm 5 mg/m³	NIOSH RE
Carbo	on 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 RE
			ST	30,000 ppm 54,000 mg/m ³	NIOSH RE
Carbo	on monoxide	630-08-0	TWA	25 ppm	ACGIH
			TWA	35 ppm 40 mg/m ³	NIOSH RE
			С	200 ppm 229 mg/m ³	NIOSH RE
			TWA	50 ppm 55 mg/m ³	OSHA Z-1
	pene, 1,1,3,3,3- fluoro-2-(trifluorometh	382-21-8 1vl)-	С	0.01 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
N-Methyl-2-pyrrolidone	872-50-4	5-Hydroxy- N-methyl-2- pyrrolidone	Urine	End of shift (As soon as possible after exposure ceases)	100 mg/l	ACGIH BEI

Engineering measures

Processing may form hazardous compounds (see section 10).
 Minimize workplace exposure concentrations.

Use with local exhaust ventilation.

Personal protective equipment

:

Respiratory protection

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where



Version 7.0	Revision Date: 01/04/2019		DS Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
			unknown, approp Follow OSHA res use NIOSH/MSH/ by air purifying res hazardous chemic supplied respirator release, exposure	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 on.
Hand	l protection			
М	aterial	:	Chemical-resistar	nt gloves
R	emarks	:	on the concentrat time is not determ For special applic resistance to cher	protect hands against chemicals depending ion specific to place of work. Breakthrough nined for the product. Change gloves often! ations, we recommend clarifying the micals of the aforementioned protective ove manufacturer. Wash hands before end of workday.
Еуе р	protection	:	Wear the following Safety glasses	g personal protective equipment:
Skin	and body protection	:	resistance data an potential. Skin contact must	e protective clothing based on chemical nd an assessment of the local exposure t be avoided by using impervious protective aprons, boots, etc).
Hygie	ene measures	:	located close to the When using do not	ushing systems and safety showers are ne working place. ot eat, drink or smoke. ed clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	blue
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	8.5 - 11
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	212 °F / 100 °C



855G-021 PRIMER BLUE

Version 7.0	Revision Date: 01/04/2019	-	S Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
Fla	ash point	:	does not flash	
	aporation rate	:	No data available	9
Fla	ammability (solid, gas)	:	Not applicable	
Fla	ammability (liquids)	:	Not applicable	
	per explosion limit / Upper mmability limit	:	No data available	
	wer explosion limit / Lower mmability limit	:	No data available	
Va	por pressure	:	No data available)
Re	lative vapor density	:	No data available)
De	ensity	:	1.1400 g/cm ³	
So	lubility(ies) Water solubility	:	soluble	
	rtition coefficient: n- tanol/water	:	Not applicable	
Au	toignition temperature	:	No data available)
De	composition temperature	:	No data available)
Vis	scosity Viscosity, kinematic	:	No data available	•
Ex	plosive properties	:	Not explosive	
Ox	idizing properties	:	The substance of	mixture is not classified as oxidizing.
Pa	rticle size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

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



/ersion 7.0	Revision Date: 01/04/2019		of last issue: 06/07/2018 of first issue: 02/27/2017
	rdous decompositio	-	
Iherm	nal decomposition	: Hydrofluoric acid Carbonyl difluoride Carbon dioxide Carbon monoxide	
		1-Propene, 1,1,3,3,3-pe	entafluoro-2-(trifluoromethyl)-
SECTION	11. TOXICOLOGICA		
Inform	nation on likely rout	es of exposure	
Inhala Skin c Ingest	contact		
	ontact		
	e toxicity		
	assified based on ava	ilable information.	
<u>Produ</u>		· Aquita taviaitu actimata: (2507 malka
Acute	oral toxicity	: Acute toxicity estimate: 2 Method: Calculation met	
Acute	inhalation toxicity	: Acute toxicity estimate: 2	24.94 mg/l
		Exposure time: 4 h Test atmosphere: dust/m	nist
		Method: Calculation met	
Acute	dermal toxicity	: Acute toxicity estimate: > Method: Calculation met	
Comp	oonents:		
C.I. P	igment Blue 29:		
Acute	oral toxicity	: LD50 (Rat, female): > 2, Method: OECD Test Gui Assessment: The substa icity	
Furfu	ryl alcohol:		
Acute	oral toxicity	: Acute toxicity estimate: 1	
		Method: Expert judgmen Remarks: Based on harr 1272/2008, Annex VI	nt monised classification in EU regulation
Acute	inhalation toxicity	: LC50 (Rat): 1.35 mg/l	
		Exposure time: 4 h Test atmosphere: dust/m Method: OECD Test Gui	
Acute	dermal toxicity	: Acute toxicity estimate: 3 Method: Expert judgmen	
			nonised classification in EU regulation



855G-021 PRIMER BLUE

	01/04/2019	1346566-00	Date of first issue: 02/27/2017
		1272/20	08, Annex VI
N-Me	thyl-2-pyrrolidone:		
Acute	oral toxicity	: LD50 (R	at): 4,150 mg/kg
Acute	inhalation toxicity	Exposur Test atm Method:	at): > 5.1 mg/l e time: 4 h hosphere: dust/mist OECD Test Guideline 403 nent: The substance or mixture has no acute inha city
Acute	e dermal toxicity	: LD50 (R	at): > 5,000 mg/kg
Silico	on dioxide:		
L	oral toxicity		at): > 5,000 mg/kg OECD Test Guideline 401
Acute	inhalation toxicity	Exposur Test atm	at): > 2.08 mg/l e time: 4 h nosphere: dust/mist nent: The substance or mixture has no acute inha city
Acute	e dermal toxicity	: LD50 (R	abbit): > 5,000 mg/kg
Trieth	nylamine:		
Acute	oral toxicity	: LD50 (R	at): 730 mg/kg
Acute	inhalation toxicity	Exposur Test atm	at): 14.44 mg/l e time: 1 h nosphere: vapor OECD Test Guideline 403
Acute	e dermal toxicity	: LD50 (R	abbit): 580 mg/kg
2-Die	thylaminoethanol:		
Acute	oral toxicity	: LD50 (R	at): 1,320 mg/kg
Acute	inhalation toxicity	Exposur	at): 4.6 mg/l e time: 4 h nosphere: vapor
Acute	e dermal toxicity	: LD50 (G	uinea pig): 885 mg/kg
Skin	corrosion/irritation		
Not c	assified based on ava	ailable information	on.

	C.I. Pigment Species	Blue 29:
I	Species	

: Rabbit



Version 7.0	Revision Date: 01/04/2019	SDS Number: 1346566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
Result		: No skin irritati	on
Furfur Result	yl alcohol:	: Skin irritation	
N-Met Specie Metho Result	d	: Rabbit : OECD Test G : Skin irritation	uideline 404
Silicon Specie Metho Result	d	: Rabbit : OECD Test G : No skin irritati	
Trieth Specie Result		: Rabbit : Corrosive afte	er 3 minutes or less of exposure
2-Diet Specie Metho Result	d	: Rabbit : OECD Test G : Corrosive afte	uideline 404 or 3 minutes to 1 hour of exposure
Not cla	us eye damage/eye in assified based on avail		
11	<u>onents:</u> yl alcohol: ˈks		es, reversing within 21 days monised classification in EU regulation nnex VI
N-Met Specie Result		: Rabbit : Irritation to ey	es, reversing within 21 days
Silicon Specie Result Methor		: Rabbit : No eye irritatio : OECD Test G	
Trieth Specie Result		: Rabbit : Irreversible ef	fects on the eye



Version 7.0	Revision Date: 01/04/2019	-	DS Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
2-Die Spec Resu		:	Rabbit Irreversible effe	cts on the eye
Resp	piratory or skin sensiti	zatio	on	
	sensitization lassified based on avail	lable	information.	
	iratory sensitization lassified based on avail	lable	information.	
	ponents:			
Test	es of exposure ies od	:	Maximization T Skin contact Guinea pig OECD Test Gu negative	
Test	es of exposure ies		Local lymph no Skin contact Mouse negative	de assay (LLNA)
Route Spec Resu		:	Inhalation Mouse equivocal	
N-Me	ethyl-2-pyrrolidone:			
Test Route Spec Meth Resu Resu	es of exposure ies od It		Skin contact Mouse OECD Test Gu negative	de assay (LLNA) ideline 429 from similar materials
Triet	hylamine:			
Test Route Spec Resu Rema	es of exposure ies It		Skin contact Mouse negative	lling test (MEST) from similar materials
Test	es of exposure ies	:	Maximization T Skin contact Guinea pig negative	est



rsion	Revision Date: 01/04/2019	SDS Nu 1346566		Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
	cell mutagenicity assified based on ava	ilable inform	nation.	
Comp	onents:			
	gment Blue 29: oxicity in vitro	: Test	Type: In vitr	o mammalian cell gene mutation test
	·	Meth		est Guideline 476
		Meth	•••	nosome aberration test in vitro est Guideline 473
		Meth		rial reverse mutation assay (AMES) est Guideline 471
Furfu	yl alcohol:			
	oxicity in vitro		Type: Chror ult: positive	nosome aberration test in vitro
			Type: Bacte ult: negative	rial reverse mutation assay (AMES)
			Type: Chror Ilt: equivocal	nosome aberration test in vitro
Genot	oxicity in vivo	Spec Appli	Type: In vive cies: Mouse ication Route ult: negative	o mammalian alkaline comet assay e: Ingestion
	cell mutagenicity - sment		ght of eviden nutagen.	ce does not support classification as a germ
N-Met	hyl-2-pyrrolidone:			
	oxicity in vitro	Meth		rial reverse mutation assay (AMES) est Guideline 471
Genot	oxicity in vivo	cytog Spec Appli Meth	genetic assa cies: Mouse ication Route	
Silico	n dioxide:			
	oxicity in vitro	Meth		rial reverse mutation assay (AMES) est Guideline 471



Version 7.0	Revision Date: 01/04/2019		9S Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
Genot	oxicity in vivo	:		enicity (in vivo mammalian bone-marrow chromosomal analysis) :: Ingestion
Trieth	ylamine:			
Genote	oxicity in vitro	:	Test Type: Bacter Result: negative	rial reverse mutation assay (AMES)
			Test Type: In vitro malian cells Result: negative	o sister chromatid exchange assay in mam-
Genote	oxicity in vivo	:		enicity (in vivo mammalian bone-marrow chromosomal analysis)
			Application Route Result: negative	: inhalation (vapor)
II 2-Diet	hylaminoethanol:			
4.4.	oxicity in vitro	:	Test Type: In vitro Method: OECD T Result: negative	o mammalian cell gene mutation test est Guideline 476
			Test Type: Bacter Method: OECD T Result: negative	rial reverse mutation assay (AMES) est Guideline 471
Genot	oxicity in vivo	:	Test Type: Mamn cytogenetic assay Species: Mouse Application Route Method: OECD T Result: negative	: Ingestion
•• Carcir	nogenicity			
	cted of causing cancer.			
Comp	onents:			
H Furfur	yl alcohol:			
Specie	-	:	Rat	
	ation Route ure time	÷	inhalation (vapor) 2 Years	
Result		:	positive	
Carcin ment	ogenicity - Assess-	:	Limited evidence	of carcinogenicity in animal studies
II N-Met	hyl-2-pyrrolidone:			
Specie		:	Mouse	



Version 7.0	Revision Date: 01/04/2019	SDS Number:Date of last issue: 06/07/20181346566-00036Date of first issue: 02/27/2017	
Applic Metho Resul Rema	t	 Ingestion OECD Test Guideline 451 positive The mechanism or mode of action may not be re mans. 	levant in hu-
Specie Applic Result	ation Route	: Rat : Inhalation : negative	
Specie Applic	ation Route sure time	: Rat : Ingestion : 103 weeks : negative	
Specie Applic	ation Route sure time	: Rat : Ingestion : 2 Years : negative	
IARC	Group 2B: F Furfuryl alco	ssibly carcinogenic to humans ol 98-00-0	
OSHA		t of this product present at levels greater than or equa t of regulated carcinogens.	al to 0.1% is
NTP		of this product present at levels greater than or equal known or anticipated carcinogen by NTP.	to 0.1% is
May d	oductive toxicity amage the unborn chi ponents:		
C.I. Pi	igment Blue 29:		
	s on fertility	 Test Type: Combined repeated dose toxicity stud reproduction/developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 	

rep Sp Ap Me	st Type: Combined repeated dose toxicity study with the production/developmental toxicity screening test ecies: Rat plication Route: Ingestion ethod: OECD Test Guideline 422 sult: negative
-----------------------	---

Result: negative

Furfuryl alcohol:



Version 7.0	Revision Date: 01/04/2019		DS Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
Effec	ts on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	ro-fetal development : Ingestion
ПN-Ме	ethyl-2-pyrrolidone:			
LL.	ets on fertility	:	Test Type: Two-g Species: Rat Application Route Method: OECD T Result: negative	
Effec	ts on fetal development	:	Test Type: Embry Species: Rat Application Route Method: OECD T Result: positive	
			Test Type: Two-g Species: Rat Application Route Method: OECD T Result: positive	
Repr sessi	oductive toxicity - As- ment	:	Clear evidence of animal experimer	adverse effects on development, based on ts.
	on dioxide:			
	ets on fetal development	:	Test Type: Embry Species: Rat Application Route Result: negative	ro-fetal development : Ingestion
II _{Triet}	hylamine:			
	ets on fertility	:	reproduction/deve Species: Rat Application Route Method: OECD T Result: negative	
Effec	ts on fetal development	:	Species: Rat Application Route Method: OECD T Result: negative	
2-Die	ethylaminoethanol:			
UL.	ts on fetal development	:	Test Type: Embry Species: Rat	ro-fetal development



Version 7.0	Revision Date: 01/04/2019		DS Number: 346566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
			Application Route Result: negative	e: Inhalation
	Γ-single exposure			
	lassified based on avail	able	information.	
11	ponents:			
	iryl alcohol: ssment	:	May cause respir	atory irritation.
		-		
	thyl-2-pyrrolidone:			
Asse	ssment	:	May cause respir	atory irritation.
Triet	hylamine:			
Asse	ssment	:	May cause respir	atory irritation.
	thylaminoethanol:			
	ssment	:	May cause respir	atory irritation.
Not c <u>Com</u> N-Me	F-repeated exposure lassified based on avail ponents: hthyl-2-pyrrolidone:	able		
	es of exposure ssment	:	inhalation (vapor) No significant he tions of 1 mg/l/6h	alth effects observed in animals at concentra-
Repe	ated dose toxicity			
Com	ponents:			
C.I. P	igment Blue 29:			
Spec		:	Rat	
NOA	=∟ cation Route	:	>= 300 mg/kg Ingestion	
Expo	sure time	÷	42 Days	
Metho	bd	:	OECD Test Guid	eline 422
N-Me	thyl-2-pyrrolidone:			
Spec		:	Rat	
NOA	EL cation Route	:	0.5 mg/l inhalation (vapor)	
	sure time	÷	90 Days	
Metho		:	OECD Test Guid	eline 413
Spec		:	Rat	
NOA	EL cation Route	:	169 - 217 mg/kg Ingestion	
		•	mgestion	



Version 7.0	Revision Date: 01/04/2019		DS Number: 346566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
Expos Metho	sure time od	:	90 Days OECD Test Guid	eline 408
			Rabbit 826 mg/kg Skin contact 20 Days	
Speci NOAE Applio		:	Rat 1.3 mg/m ³ inhalation (dust/n 13 Weeks	nist/fume)
Speci NOAE Applio			Rat 1.02 mg/l inhalation (vapor) 28 Weeks)
Speci NOAE Applio		:	Rat 50 - 400 mg/kg Ingestion 2 y	

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

C.I. Pigment Blue 29: Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): > 90 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 21 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae	:	NOEC (Pseudokirchneriella subcapitata (green algae)): > 99 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 ErC50 (Pseudokirchneriella subcapitata (green algae)): > 99
		mg/l Exposure time: 72 h



Version 7.0	Revision Date: 01/04/2019		DS Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
П			Method: OECD T	est Guideline 201
	tic invertebrates (Chron-			
	ıryl alcohol:			
Toxic	tity to fish	:	LC50 (Leuciscus Exposure time: 48	idus (Golden orfe)): > 100 mg/l 3 h
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 24	agna (Water flea)): > 100 mg/l I h
N-Me	ethyl-2-pyrrolidone:			
Toxic	to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): > 500 mg/l ⊱h
	tity to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 24 Method: DIN 3847	
Toxic	ity to algae	:	EC50 (Desmodes Exposure time: 72	mus subspicatus (green algae)): 600.5 mg/l ? h
	tity to daphnia and other tic invertebrates (Chron- icity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD T	
Silico	on dioxide:			
Toxic	sity to fish	:	LC50 (Danio reric Exposure time: 96 Method: OECD T	
	tity to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 24 Method: OECD T	
Toxic	ity to algae	:	mg/l Exposure time: 72 Method: OECD T	
			mg/l Exposure time: 72 Method: OECD T	
Triet	hylamine:			
<u></u>	sity to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 36 mg/l ን h



Version 7.0	Revision Date: 01/04/2019		98 Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
	ity to daphnia and other ic invertebrates	:	EC50 (Ceriodaphi Exposure time: 48	nia dubia (water flea)): 17 mg/l 3 h
Toxic	ity to algae	:	NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te	
			ErC50 (Pseudokir Exposure time: 72 Method: OECD Te	
	ity to daphnia and other ic invertebrates (Chron- icity)	:	NOEC (Ceriodaph Exposure time: 7	nnia dubia (water flea)): 7.1 mg/l d
Toxic	ity to microorganisms	:	EC10 (Pseudomonas putida): 71 mg/l Exposure time: 17 h Method: DIN 38 412 Part 8	
	thylaminoethanol:			
	ity to fish	:	LC50 (Leuciscus i Exposure time: 96 Method: DIN 3841	
	ity to daphnia and other ic invertebrates	:	Exposure time: 48	agna (Water flea)): 83.6 mg/l 3 h 67/548/EEC, Annex V, C.2.
Тохіс	ity to algae	:	EC10 (Desmodes Exposure time: 72	mus subspicatus (green algae)): 16 mg/l 2 h
		ErC50 (Desmodesmus subspicatus (green algae)): 44 r Exposure time: 72 h		
Toxic	ity to microorganisms	:	> 1,000 mg/l Exposure time: 30 Method: OECD Te	
Persi	stence and degradabili	ity		
	oonents:	-		
11	ryl alcohol:			
- UL	gradability	:	Result: Readily bi Biodegradation: S Exposure time: 14 Method: OECD Te	97.7 %
N-Me	thyl-2-pyrrolidone:			
- UL	gradability	•	Result: Readily bi Biodegradation: 7	



ersion .0	Revision Date: 01/04/2019	-	DS Number: 46566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
			Exposure time: 28 Method: OECD T	3 d est Guideline 301C
	nylamine:			
- 1.1 .	gradability	:		80.3 %
II 2-Diet	thylaminoethanol:			
	gradability	:	Result: Readily bi Biodegradation: 9 Exposure time: 22 Method: OECD T	95 %
Bioac	cumulative potential			
Comp	oonents:			
Furfu	ryl alcohol:			
	on coefficient: n- ol/water	:	log Pow: 0.3	
N-Me	thyl-2-pyrrolidone:			
	on coefficient: n- ol/water	:	log Pow: -0.46	
Trieth	ylamine:			
	cumulation	:		s carpio (Carp) factor (BCF): < 0.5 est Guideline 305C
	on coefficient: n- ol/water	:	log Pow: 1.45	
2-Die	thylaminoethanol:			
Partiti	on coefficient: n- ol/water	:	log Pow: 0.21	
Mobil	lity in soil			
No da	ita available			
Other	adverse effects			
	ts of PBT and vPvB	:		ixture contains no components considered
asses	sment			stent, bioaccumulative and toxic (PBT), or ad very bioaccumulative (vPvB) at levels of



Version 7.0	Revision Date: 01/04/2019	SDS Number: 1346566-00036	Date of last issue: 06/07/2018 Date of first issue: 02/27/2017
SECTION	13. DISPOSAL CONS	SIDERATIONS	
•	osal methods e from residues	: Dispose of in a	ccordance with local regulations.
Conta	aminated packaging	handling site fo	ers should be taken to an approved waste r recycling or disposal. e 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 Not regulated as a dangerous good

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)
Triethylamine	121-44-8	5000	*
2,2'-Iminodiethanol	111-42-2	100	*
ammonia, aqueous solution	1336-21-6	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

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

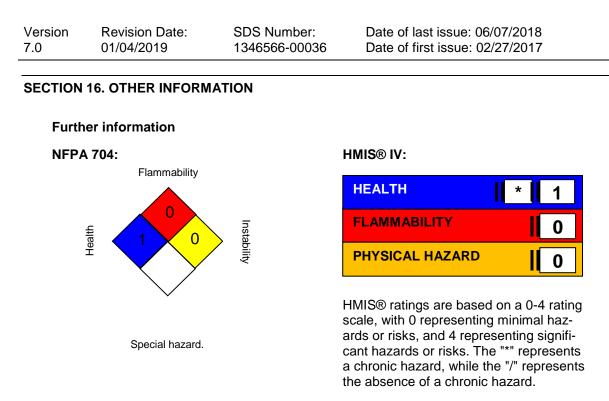
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	: Carcinogenicity Reproductive toxicity	
SARA 313	: The following components are subject to reporting levels established by SARA Title III, Section 313:	



Version 7.0	Revision Date: 01/04/2019	SDS Number: 1346566-00036	Date of last issue Date of first issue	
		N-Methyl-2- pyrrolidone	872-50-4	>= 1 - < 5 %
	ile organic compound) content	ds VOC content: 4 Remarks: less		
		VOC content: 1 Remarks: as pa	0	
US S	tate Regulations			
Penn	sylvania Right To Kn	ow		
	Water Fluoropolymer C.I. Pigment Blue Polyamide-imide Fluoropolymer Furfuryl alcohol N-Methyl-2-pyrrol Silicon dioxide Triethylamine			7732-18-5 Trade secret 57455-37-5 Trade secret Trade secret 98-00-0 872-50-4 7631-86-9 121-44-8
Califo	ornia Prop. 65			
Imino of Ca is/are	lifornia to cause cance	urfuryl alcohol, Lead, r, and Cadmium, N-M California to cause bir	Acetaldehyde, which the set of th	nium dioxide, 2,2'- ch is/are known to the State , Lead, Methanol, which reproductive harm. For more
Califo	ornia List of Hazardou	us Substances		
	Furfuryl alcohol Silicon dioxide			98-00-0 7631-86-9
Califo	ornia Permissible Exp	oosure Limits for Che	emical Contamina	
	Furfuryl alcohol N-Methyl-2-pyrrol Silicon dioxide	idone		98-00-0 872-50-4 7631-86-9





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 ACGIH BEI NIOSH REL OSHA Z-1	:	USA. ACGIH Threshold Limit Values (TLV) ACGIH - Biological Exposure Indices (BEI) 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
OSHA Z-3		USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
US WEEL	:	USA. Workplace Environmental Exposure Levels (WEEL)
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
OSHA Z-3 / TWA	:	8-hour time weighted average
US WEEL / TWA	:	8-hr TWA

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 Sub-



Version	Revision Date:	SDS Number:	Date of last issue: 06/07/2018
7.0	01/04/2019	1346566-00036	Date of first issue: 02/27/2017

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

Revision Date : 01/04/2019

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