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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier		
	Trade name	:	NOROX <sup>®</sup> 600
	REACH Registration Number	:	01-2119966122-42-0002
	Substance name	:	Di(4-tert-butylcyclohexyl) peroxydicarbonate
	EC-No.	:	239-557-1

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-	:	polymerisation initiators
stance/Mixture		

#### 1.3 Details of the supplier of the safety data sheet

Company	:	United Initiators GmbH DrGustav-Adolph-Str. 3 82049 Pullach
Telephone	:	+49 / 89 / 74422 – 0
E-mail address of person responsible for the SDS	:	contact@united-in.com

#### 1.4 Emergency telephone number

+44 1235 239670

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

# Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Organic peroxides, Type C	H242: Heating may cause a fire.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.

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#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	<ul><li>H242 Heating may cause a fire.</li><li>H317 May cause an allergic skin reaction.</li><li>H412 Harmful to aquatic life with long lasting effects.</li></ul>
Precautionary statements	:	<ul> <li>Prevention:</li> <li>P220 Keep/Store away from clothing/ strong acids, bases, heavy metal salts and other reducing substances /combustible materials.</li> <li>P233 Keep container tightly closed.</li> <li>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.</li> <li>P273 Avoid release to the environment.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> </ul>
		Response:P333 + P313If skin irritation or rash occurs: Get medical advice/ attention.P362 + P364Take off contaminated clothing and wash it before reuse.P370 + P378In case of fire: Use water spray, alcohol- resistant foam, dry chemical or carbon dioxide to extinguish.Storage: P411Store at temperatures not exceeding 30 °C.Disposal: P501Dispose of contents/ container to an approved waste
		disposal plant.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Substance name

: Di(4-tert-butylcyclohexyl) peroxydicarbonate

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EC-No.	:	239-557-1

Chemical nature : Organic Peroxides, Solid

#### Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
Di(4-tert-butylcyclohexyl) peroxydicarbonate	15520-11-3 239-557-1	<= 100

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. Symptoms of poisoning may appear several hours later. Call a physician immediately.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing
lf inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. If breathed in, move person into fresh air.
In case of skin contact	:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. If on skin, rinse well with water. If on clothes, remove clothes. If symptoms persist, call a physician.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Call a physician immediately. Rinse mouth thoroughly with water.

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#### 4.2 Most important symptoms and effects, both acute and delayed

Risks : May cause an allergic skin reaction.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: Treat symptomatically and supportively.

### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media	:	Water spray jet Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- fighting	ture con may	tact with incompatible materials or exposure to tempera- s exceeding SADT may result in a self-accelerating de- position reaction with release of flammable vapors which auto-ignite. product burns violently.
	Flas Vap The wat	sh back possible over considerable distance. pours may form explosive mixtures with air. product will float on water and can be reignited on surface

#### 5.3 Advice for firefighters

Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if nec- essary. Use personal protective equipment.
Specific extinguishing meth- ods	:	Do not use a solid water stream as it may scatter and spread fire. Remove undamaged containers from fire area if it is safe to do so. Use water spray to cool unopened containers.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.

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### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoi Ren Follo mer New Trea	d dust formation. d breathing dust. hove all sources of ignition. how safe handling advice and personal protective equip- t recommendations. er return spills in original containers for re-use. t recovered material as described in the section "Disposal siderations".
--	--

#### 6.2 Environmental precautions

Environmental precautions	:	Prevent product from entering drains.
		Prevent further leakage or spillage if safe to do so.
		If the product contaminates rivers and lakes or drains inform
		respective authorities.

#### 6.3 Methods and material for containment and cleaning up

		÷ ·
Methods for cleaning up	:	Contact with incompatible substances can cause decomposi- tion at or below SADT. Clear spills immediately. Suppress (knock down) gases/vapours/mists with a water spray jet. To clean the floor and all objects contaminated by this materi- al, use plenty of water. Soak up with inert absorbent material. Isolate waste and do not reuse. Non-sparking tools should be used. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable.

#### 6.4 Reference to other sections

For personal protection see section 8.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Advice on safe handling	:	Do not swallow. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes.



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			Never return any originally removed Provide sufficient Avoid confinement Keep away from H other ignition sour Smoking, eating a plication area. Wash thoroughly For personal prote Persons suscepti allergies, chronic	air exchange and/or exhaust in work rooms. t. heat, hot surfaces, sparks, open flames and rces. No smoking. and drinking should be prohibited in the ap- after handling. ection see section 8. ble to skin sensitisation problems or asthma, or recurrent respiratory disease should not ny process in which this mixture is being
	vice on protection against and explosion	:	at places where d	ion. Provide appropriate exhaust ventilation lust is formed. Keep away from heat and n. Use only explosion-proof equipment. Keep istible material.
Hy	giene measures	:	drink. When using	ood and drink. When using do not eat or g do not smoke. Wash hands before breaks after handling the product.
7.2 Cor	ditions for safe storage,	inc	luding any incom	patibilities
Re	quirements for storage eas and containers	:	Avoid impurities ( Electrical installat the technological opened must be leakage. Store in closed in a cool,	e.g. rust, dust, ash), risk of decomposition. ions / working materials must comply with safety standards. Containers which are carefully resealed and kept upright to prevent original container. Keep containers tightly well-ventilated place. Store in accordance national regulations.
Ad	vice on common storage	:	Keep away from so	strong acids, bases, heavy metal salts and bstances.
	commended storage tem- rature	:	< 20 °C	
	rther information on stor- e stability	:	No decomposition	if stored normally.
-	e <b>cific end use(s)</b> ecific use(s)	:	For further information sheet.	ation, refer to the product technical data

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### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Di(4-tert- butylcyclohexyl) per- oxydicarbonate	Workers	Inhalation	Long-term systemic effects	5.87 mg/m3
	Workers	Skin contact	Long-term systemic effects	16.67 mg/kg bw/day

#### Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
Di(4-tert-butylcyclohexyl) peroxy- dicarbonate	Fresh water	0.39 mg/l
	Marine water	0.039 mg/l
	Intermittent use/release	0.39 mg/l
	Fresh water sediment	4685 mg/kg
	Marine sediment	468.5 mg/kg
	Soil	936.8 mg/kg
	Sewage treatment plant	2 mg/l

#### 8.2 Exposure controls

#### Engineering measures

Minimize workplace exposure concentrations.

#### Personal protective equipment

Eye protection	:	Tightly fitting safety goggles Please wear suitable protective goggles. Also wear face pro- tection if there is a splash hazard. Ensure that eyewash stations and safety showers are close to the workstation location. Please follow all applicable local/national requirements when selecting protective measures for a specific workplace.
Hand protection		
Material	:	butyl-rubber
Break through time	:	480 min
Glove thickness	:	0.47 mm
Material	:	Nitrile rubber
Break through time	:	480 min
Glove thickness	:	0.40 mm
Remarks	:	The data about break through time/strength of material are standard values! The exact break through time/strength of

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		tive glove. Ch depending on ous substance plications, we cals of the afc	o be obtained from the producer of the protec- oose gloves to protect hands against chemicals the concentration and quantity of the hazard- e and specific to place of work. For special ap- recommend clarifying the resistance to chemi- rementioned protective gloves with the glove Wash hands before breaks and at the end of		
Skin and body protection		sistance data tial. Additional boo being perform suits) to avoid Wear as appro	riate protective clothing based on chemical re- and an assessment of the local exposure poten- ly garments should be used based upon the task ed (e.g., sleevelets, apron, gauntlets, disposable exposed skin surfaces. opriate: nt antistatic protective clothing.		
Resp	iratory protection	: In the case of approved filter	dust or aerosol formation use respirator with an		
Fi	lter type	: Filter type P			
Protective measures		to the concent	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.		

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance	: powder
Colour	: white
Odour	: characteristic
Odour Threshold	: No data available
рН	: substance/mixture is non-soluble (in water)
Melting point/range	: 82 °C Decomposition: Decomposes below the melting point.
Boiling point/boiling range	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Organic peroxide



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		explosion limit / Upper bility limit	:	Upper explosion No data available		
	Lower explosion limit / Lower flammability limit		:	Lower explosion No data available		
	Vapour	pressure	:	>0.00001 hPa (2	20 °C)	
	Relative	e vapour density	:	Not applicable		
	Relative	e density	:	not determined		
	Density	,	:	not determined		
	Bulk de	ensity	:	500 kg/m3 (20 °C	3)	
	Solubili Wat	ty(ies) er solubility	:	0.0056 g/l insolul	ble (5 °C)	
	Partition octanol	n coefficient: n- /water	:	log Pow: 8.34 The value is calc	ulated	
	Auto-ig	nition temperature	:	not determined		
	Viscosi Visc	ty cosity, dynamic	:	Not applicable		
	Visc	cosity, kinematic	:	Not applicable		
	Explosive properties		:	Not explosive Avoid dust forma	tion.	
	Oxidiziı	ng properties	:	The substance o Organic peroxide	r mixture is not classified as oxidizing.	
9.2	Other ir	nformation				
		celerating decomposi- nperature (SADT)	:	temperature at w	H.4 erating Decomposition Temperature. Lowest hich the tested package size will undergo a decomposition reaction.	
	Self-hea	ating substances	:	The substance o	r mixture is not classified as self heating.	
	Molecu	lar weight	:	398.5 g/mol		
	Particle	size	:	not determined		
	Particle	e Size Distribution	:	No data available		

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Self-i	gnition	: The substance	e or mixture is not classified as pyrophoric.			
SECTIO	N 10: Stability and	reactivity				
<b>10.1 Read</b> Stabl	<b>ctivity</b> e under recommended	d storage conditions.				
	nical stability e under recommended	d storage conditions.				
10.3 Poss	ibility of hazardous	reactions				
Haza	rdous reactions	: Dust may for	: Dust may form explosive mixture in air.			
10.4 Cond	litions to avoid					
Cond	itions to avoid		and sparks.			
10.5 Inco	mpatible materials					
Mater	rials to avoid		strong acids and bases, heavy metals and salts, reducing agents			
10.6 Haza	rdous decompositio	on products				
	t, caustic, flammable, nposition	noxious/toxic gases a	and vapours can develop in the case of fire and			

# 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

# Product:

Acute oral toxicity		LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 Assessment: The component/mixture is minimally toxic after single ingestion.
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

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#### Components:

Di(4-tert-butylcyclohexyl) peroxydicarbonate:						
Acute oral toxicity :		LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 Assessment: The component/mixture is minimally toxic after single ingestion.				
Acute inhalation toxicity	:	Remarks: No data available				
Acute dermal toxicity	:	Remarks: No data available				

#### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Species Method Result		Rabbit OECD Test Guideline 404 No skin irritation
Remarks	:	May cause skin irritation in susceptible persons.

#### **Components:**

#### Di(4-tert-butylcyclohexyl) peroxydicarbonate:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

#### Serious eye damage/eye irritation

Not classified based on available information.

### Product:

Species Method Result		Rabbit OECD Test Guideline 405 No eye irritation
Remarks	:	Product dust may be irritating to eyes, skin and respiratory system.

### Components:

#### Di(4-tert-butylcyclohexyl) peroxydicarbonate:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation



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Resp	oiratory or skin sensi	tisation	I	
Skin	sensitisation			
May	cause an allergic skin	reaction	า.	
-	<b>biratory sensitisation</b> classified based on av		nformation.	
Proc	<u>luct:</u>			
Spec		:	Mouse	
Meth Resu		:	OECD Test G	uideline 429 nsitisation by skin contact.
Nest	ait.	•	iviay cause se	Islisation by skin contact.
Rem	arks	:	Causes sensit	isation.
<u>Com</u>	iponents:			
Di(4-	-tert-butylcyclohexyl)	perox	ydicarbonate	:
Spec		:	Mouse	
Meth Resu		:	OECD Test G May cause se	uideline 429 nsitisation by skin contact.
1000		•	May baube be	
Gerr	n cell mutagenicity			
	classified based on av	ailable i	nformation.	
Proc	luct:			
	otoxicity in vitro	:	Method: OECI Result: negativ	D Test Guideline 471 <i>i</i> e
			Method: OECI Result: negativ	D Test Guideline 476 <i>j</i> e
			Method: OECI Result: negativ	D Test Guideline 487 <i>j</i> e
Geno	otoxicity in vivo	:	Remarks: No	data available
<u>Com</u>	iponents:			
Di(4-	-tert-butylcyclohexyl)	perox	vdicarbonate	:
•	otoxicity in vitro	:	-	D Test Guideline 471
			Method: OECI Result: negativ	D Test Guideline 476 <i>j</i> e
			Method: OECI Result: negativ	D Test Guideline 487 <i>j</i> e
Geno	otoxicity in vivo	:	Remarks: No	data available

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	inogenicity lassified based on ava	ailable information.	
<u>Prod</u> Rema		: This informatic	on is not available.
<u>Com</u>	ponents:		
Di(4-t	tert-butylcyclohexyl)	peroxydicarbonate	:
Rema	arks	: This information	on is not available.
•	oductive toxicity lassified based on ava	ailable information.	
<u>Com</u>	ponents:		
•	tert-butylcyclohexyl) ts on fertility		: information is not available.
Effect ment	•	: Remarks: This	information is not available.
	<b>F - single exposure</b> lassified based on ava	ailable information.	
<u>Prod</u> Rema		: No data availa	ble
<u>Com</u>	ponents:		
Di(4-t	tert-butylcyclohexyl)		
Rema	arks	: No data availa	ble
	<b>F - repeated exposur</b> lassified based on ava		
Repe	eated dose toxicity		
	ies EL EL cation Route sure time	: Rat : 500 mg/kg : 1,000 mg/kg : Oral : 28 d : OECD Test G	uideline 407

### Components:

Di(4-tert-butylcyclohexyl) peroxydicarbonate:

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Species	: Rat
NOAEL	: 500 mg/kg
LOAEL	: 1,000 mg/kg
Application Route	: Oral
Exposure time	: 28 d
Method	: OECD Test Guideline 407

#### Aspiration toxicity

Not classified based on available information.

#### Product:

No data available

#### **Components:**

## Di(4-tert-butylcyclohexyl) peroxydicarbonate:

No data available

#### Further information

### Product:

Remarks

: No data available

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Product:	
Toxicity to fish	<ul> <li>LC50 (Oncorhynchus mykiss (rainbow trout)): 704 mg/l Exposure time: 96 h Method: OECD Test Guideline 203</li> </ul>
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 42 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): 39 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Components:	
Di(4-tert-butylcyclohexyl) per	roxydicarbonate:

	heio	xyulcarbonate.
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 704 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and othe	er :	EC50 (Daphnia magna (Water flea)): 42 mg/l



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	aquatic	invertebrates		Exposure time: 4 Method: OECD T	8 h est Guideline 202
	Toxicity plants	y to algae/aquatic	:	<ul> <li>EC50 (Desmodesmus subspicatus (green algae)): 39 r</li> <li>Exposure time: 72 h</li> <li>Method: OECD Test Guideline 201</li> </ul>	
12.2	2 Persis	tence and degradabi	ility		
	Produce Biodeg	<u>ct:</u> radability	:	Result: Not readil Method: OECD T	y biodegradable. est Guideline 301B
	<u>Compo</u>	onents:			
	Di(4-te	rt-butylcyclohexyl) p	ero	xydicarbonate:	
	Biodeg	radability	:	Result: Not readil Method: OECD T	y biodegradable. est Guideline 301B
12.3	3 Bioac	cumulative potential			
	<u>Produ</u> Bioacc	<u>ct:</u> umulation	:	Bioconcentration	factor (BCF): 2,926
	Compo	onents:			
	Di(4-te	rt-butylcyclohexyl) p	ero	xydicarbonate:	
	Bioacc	umulation	:	Bioconcentration	factor (BCF): 2,926
	Partitio octano	n coefficient: n- I/water	:	log Pow: 8.34 Remarks: Calcula	ation
12.4		<b>ty in soil</b> a available			
12.	5 Result	s of PBT and vPvB a	sse	ssment	
	<u>Produc</u>	<u>ct:</u>			
	Assess	sment	:	to be either persis	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of
12.0	6 Other	adverse effects			
	Produce Additio mation	nal ecological infor-	:	unprofessional ha	hazard cannot be excluded in the event of andling or disposal. c life with long lasting effects.

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### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product	:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemi- cal or used container. Dispose of wastes in an approved waste disposal facility.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. Dispose of in accordance with local regulations.

### **SECTION 14: Transport information**

#### 14.1 UN number

	ADR	:	UN 3114
	RID	:	UN 3114 Not permitted for transport
	IMDG	:	UN 3114
	ΙΑΤΑ	:	UN 3114 Not permitted for transport
14.2	2 UN proper shipping name		
	ADR	:	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED
			(DI-(4-tert-BUTYLCYCLOHEXYL)PEROXYDICARBONATE)
	RID	:	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED Not permitted for transport
	IMDG	:	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED (DI-(4-tert-BUTYLCYCLOHEXYL)PEROXYDICARBONATE)
	ΙΑΤΑ	:	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED Not permitted for transport
14.:	3 Transport hazard class(es)		
	ADR	:	5.2
	RID	:	Not permitted for transport

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IMDG	3	:	5.2	
ΙΑΤΑ		:	Not permitted f	or transport
14.4 Pack	king group			
Class Label	ing group sification Code s ls el restriction code	:	Not assigned b P2 5.2 (D)	y regulation
RID		:	Not permitted f	or transport
Label	ing group	: : :	Not assigned b 5.2 F-F, S-R	y regulation
ΙΑΤΑ	(Cargo)	:	Not permitted f	or transport
ΙΑΤΑ	(Passenger)	:	Not permitted f	or transport
14.5 Envi	ronmental hazards			
<b>ADR</b> Enviro	onmentally hazardous	:	no	
RID		:	Not permitted f	or transport
IMDO Marin	<b>3</b> ne pollutant	:	no	
14.6 Spec	cial precautions for us	er		
Temp	tional advice			

Control temperature : 30 °C Emergency temperature : 35 °C

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.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

### **SECTION 15: Regulatory information**

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on : Not applicable the market and use of certain dangerous substances,

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#### preparations and articles (Annex XVII)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

,	0	5	Quantity 1	Quantity 2
P6b		SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES	50 t	200 t

#### Other regulations:

Gefahrgruppe nach DGUV 13 Vorschrift 13 (bisher BGV B4): la (German regulatory requirements)

#### The components of this product are reported in the following inventories:

TCSI (TW)	:	On the inventory, or in compliance with the inventory
TSCA (US)	:	All substances listed as active on the TSCA inventory
AIIC (AU)	:	On the inventory, or in compliance with the inventory
DSL (CA)	:	All components of this product are on the Canadian DSL
ENCS (JP)	:	On the inventory, or in compliance with the inventory
ENCS (JP) ISHL (JP)	: :	On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory
	: : :	

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IECS	C (CN)	: On the inventor	y, or in compliance with the inventory
NZIOC	; (NZ)	: On the inventor	y, or in compliance with the inventory
15.2 Chen	nical safety assessm	ent	
	al Safety Assessment information see eSD	has been carried out for S.	or this substance.

### **SECTION 16: Other information**

Further information		
Other information :	:	This safety datasheet only contains information relating to safety and does not replace any product information or prod- uct specification. These safety instructions also apply to empty packaging which may still contain product residues.
Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD

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

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP -Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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 - (Quanti-

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tative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals 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

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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