SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

TRIGONOX 101-45S-PS

Version	Revision Date:	CZ / EN	Date of last issue: 05.12.2022
3.2	03.05.2023		Date of first issue: 12.01.2015

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

1.1 Product identifier	
Trade name	: TRIGONOX 101-45S-PS
This substance/ mixture contain	ns nanoforms
1.2 Relevant identified uses of the	e substance or mixture and uses advised against
Use of the Substance/Mixture	: Cross-linking agent
1.3 Details of the supplier of the s	afety data sheet
Company	 Nouryon Functional Chemicals B.V. Haaksbergweg 88 NL 1101 BZ Amsterdam Netherlands
Telephone	: +31889840367
E-mail address of person responsible for the SDS	: polymer.emeia@nouryon.com
1.4 Emergency telephone number	
Emergency teleph number	none : 24 hours:+31 57 06 79211, US-CHEMTREC:1-800-424-9300, CA-CANUTEC:1-613-996-6666, JP: +81 (836) 74 8810, CN:

Emergency number	telephone :	24 hours:+31 57 06 79211, US-CHEMTREC:1-800-424-9300 CA-CANUTEC:1-613-996-6666, JP: +81 (836) 74 8810, CN: 化学事故应急咨询电话:+86 532 8388 9090- Nouryon Emergency Response Centre+31 570 679211 Poison Centre224 91 92 93
		F0IS011 Gentlezz4 91 92 93

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)		
Organic peroxides, Type E	H242: Heating may cause a fire.	

с, ,

Skin irritation, Category 2

H315: Causes skin irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazai	rd pictograms	:		
Signa	l word	: V	Varning	
Hazaı	rd statements			may cause a fire. skin irritation.
Preca	utionary statements	P fl P P	ames and othe 234 Keep or 264 Wash sl 280 Wear pr	way from heat, hot surfaces, sparks, open er ignition sources. No smoking. hly in original packaging. kin thoroughly after handling. rotective gloves/ protective clothing/ eye protection/ hearing protection.
		P		In case of fire: Use water spray, alcohol- dry chemical or carbon dioxide to extinguish.
			t orage: 420 Store se	eparately.

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)
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	Registration number		
2,5-Dimethyl-2,5-di(tert-	78-63-7	Org. Perox. C; H242	>= 44 - <= 46
butylperoxy)hexane	201-128-1	Skin Irrit. 2; H315	
	01-2119875400-42		
Substances with a workplace	exposure limit :		
Silicon dioxide	7631-86-9		>= 7 - <= 13
	231-545-4		
	01-2119379499-16		

For explanation of abbreviations see section 16. Remarks : Substances with a workplace exposure limit

The following substances have multiple CAS-number

lononing oubolanooo	
Silicon dioxide	: 122945-52-2
	112926-00-8

This substance/ mixture contains nanoforms

Components:Silicon dioxide:Particle characteristicsParticle size: 4 - 95 nmAssessment: Assessment: This substance/ mixture contains nanoforms based on: Measurement dataShape: Shape: spheres

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	Cor	ve out of dangerous area. nsult a physician. ow this safety data sheet to the doctor in attendance.
If inhaled	: Cor	nsult a physician after significant exposure.
In case of skin contact	Wa	te off contaminated clothing and shoes immediately. sh the skin immediately with soap and water. kin irritation persists, call a physician.
In case of eye contact		se with plenty of water. nove contact lenses.

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				Protect unharmed Keep eye wide op If eye irritation per	
If swallowed		:		water and drink afterwards plenty of water. ng by mouth to an unconscious person. tention.	
4.2 M	ost im	portant symptoms ar	nd e	ffects, both acute	and delayed
	Sympto		:	The symptoms an	d effects are as expected from the hazards on 2. No specific product related symptoms
F	Risks		:	Causes skin irritat	ion.
4.3 In	dicatio	on of any immediate i	med	lical attention and	special treatment needed
	reatme	-	:	Treat symptomatic	-
SECI	FION 5	5: Firefighting meas	sure	es	
5 1 Fx	rtingui	shing media			
	•	extinguishing media	:	Use water spray, a carbon dioxide.	alcohol-resistant foam, dry chemical or
	Jnsuita nedia	ble extinguishing	:	High volume wate	r jet
5.2 Sr	pecial	hazards arising from	the	substance or mix	cture
S		hazards during	:	CAUTION: reigniti	on may occur.

firefighting		Supports combustion. Do not use a solid water stream as it may scatter and spread fire. Water spray may be ineffective unless used by experienced firefighters. Do not allow run-off from fire fighting to enter drains or water courses. Hazardous decomposition products formed under fire conditions.
Hazardous combustion products	:	Fire will produce smoke containing hazardous combustion products (see section 10).

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5.3 Advice for firefighters		
Special protective equipment : for firefighters		In the event of fire, wear self-contained breathing apparatus.
Further information	:	Use water spray to cool unopened containers. 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

•	
Personal precautions	: Use personal protective equipment.
	Ensure adequate ventilation.
	Remove all sources of ignition.
	Evacuate personnel to safe areas.
	Only qualified personnel equipped with suitable protective
	equipment may intervene.
	Prevent unauthorised persons entering the zone.

6.2 Environmental precautions

	Environmental precautions	:	Prevent product from entering drains.
--	---------------------------	---	---------------------------------------

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	 Keep wetted with water. Confinement must be avoided. Pick up and arrange disposal without creating dust. Collect in plastic container for disposal as hazardous waste. Never return spills in original containers for re-use.
	Never return spills in original containers for re-use.

6.4 Reference to other sections

For disposal considerations see section 13. For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	 For personal protection see section 8. Avoid formation of respirable particles. Avoid contact with skin, eyes and clothing. Smoking, eating and drinking should be prohibited in the application area.

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				Open drum caref	ully as content may be under pressure.
Advice on protection against fire and explosion		:	Use explosion protected equipment. Provide appropriate exhaust ventilation at places where dust is formed. Keep av from sources of ignition - No smoking. No sparking tools should be used. Keep away from reducing agents (e.g. amines), acids, alkalies and heavy metal compounds (e.g. accelerators, driers, metal soaps). Do not cut or weld on or near this container even when empty. Keep away from combustible material.		
Hygiene measures		:	practice. When u	ance with good industrial hygiene and safety sing do not eat or drink. When using do not nds before breaks and at the end of workday.	
Temperature class		:		ed to use electrical equipment of temperature ver, autoignition can never be excluded.	
7.2 Conditions for safe storage, in		inc	luding any incom	patibilities	
Requirements for storage areas and containers		:	installations / wor technological saf	ep in a well-ventilated place. Electrical rking materials must comply with the ety standards. Keep only in original away from other materials.	
		r information on e stability	:	If product freezes	s or separates, contact the manufacturer.
				Maximum storage	e temperature is for quality only.
	Minimu tempe	um storage rature:	:	Avoid temperatur 10 °C	res below:
	Maxim tempe	um storage rature:	:	30 °C	
7.3	Specifi	c end use(s)			
Specific use(s)		:	Consult the techr substance/mixtur	nical guidelines for the use of this re.	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components CAS-No. Value	type (Form Control parar	neters Basis

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Silicon dioxide

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7631-86-9

of exposure) CZ OEL

10 mg/m3

(Silica)

TWA (fibre, total

concentration)

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis			
tert-Butanol	75-65-0	TWA	300 mg/m3	CZ OEL			
	Further information: irritating to mucous membranes (eyes, respiratory system) respectively skin						
		STEL	600 mg/m3	CZ OEL			
Further information: irritating to mucous membranes (eyes, respirato system) respectively skin			piratory				
tert-Amyl alcohol	75-85-4	TWA	300 mg/m3	CZ OEL			
	Further information: irritating to mucous membranes (eyes, respiratory						
	system) respectively skin						
		STEL	600 mg/m3	CZ OEL			
Further information: irritating to mucous membranes (eyes system) respectively skin				piratory			
Acetone	67-64-1	TWÁ	500 ppm 1.210 mg/m3	2000/39/EC			
	Further information: Indicative						
		TWA	800 mg/m3	CZ OEL			
		STEL	1.500 mg/m3	CZ OEL			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
2,5-Dimethyl-2,5- di(tert- butylperoxy)hexane	Workers	Dermal	Long-term systemic effects	15 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	11 mg/m3

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
2,5-Dimethyl-2,5-di(tert-	Fresh water	0,00065 mg/l
butylperoxy)hexane		
	Marine water	0,000065 mg/l
	Fresh water sediment	72,2 mg/kg dry
		weight
	Marine sediment	7,22 mg/kg dry
		weight
	Sewage treatment plant	100 mg/l
	Soil	14,4 mg/kg dry

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				weight		
8.2 Exposure controls Engineering measures Explosion proof ventilation recommended.						
	onal protective equip ace protection		Tightly fitting safety goggles			
	protection aterial	:	Neoprene			
Ma	aterial	:	Nitrile rubber			
Skin a	and body protection	:	Protective suit			
Resp	iratory protection		Handle in accordance with good practice.	d industrial hygiene and safety		

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	paste
Colour	:	white
Odour	:	Faint.
Odour Threshold	:	No data available
Melting point	:	ca. 1 - 10 °C Organic peroxide
Boiling point/boiling range	:	Decomposes below the boiling point.
Flammability	:	Decomposition products may be flammable.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	Not applicable
Auto-ignition temperature	:	Test method not applicable

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	Decom	position temperature	:	lowest temperatu may occur with a transport. A dang reaction and, und can be caused b	elerating decomposition temperature) is the ure at which self accelerating decomposition a substance in the packaging as used in gerous self-accelerating decomposition der certain circumstances, explosion or fire y thermal decomposition at and above the with incompatible substances can cause elow the SADT.
(celerating position temperature	:	80 °C	
I	рН		:	substance/mixtu	re is non-soluble (in water)
,	Viscosi Visc	ty cosity, dynamic	:	thixotropic	
	Viso	osity, kinematic	:	thixotropic	
:		ty(ies) er solubility ubility in other solvents	:	(20 °C) insoluble Description: Solu	ible in most organic solvents.
	Partitio octanol	n coefficient: n- /water	:	No data available	9
	Vapour	pressure	:	20 hPa (25 °C) Active componer	nt
	Relativ	e density	:	0,94 (20 °C)	
ļ	Relativ	e vapour density	:	Not applicable	
I		e characteristics essment	:	Assessment: Thi	s substance/ mixture contains nanoforms
	Part	icle size	:	Further particle p	properties for nanomaterials see section 3
		oformation			
	Explosi		:	Not explosive	
(Oxidizi	ng properties	:	Not classified as	oxidising.

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Evapo	pration rate	: Not appli	cable	
Active Oxygen Content		: 5%		
Orgar	ic peroxides	: 45 %		

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	No dangerous reaction known under conditions of normal use.
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10.4 Conditions to avoid

Conditions to avoid	:	A high degree of confinement must be avoided.
		Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid	 Contact with the following incompatible materials will result in hazardous decomposition: Acids and bases Iron Copper Reducing agents Heavy metals Rust Do not mix with peroxide accelerators, unless under controlled processing. Use only stainless steel 316, PP, polyethylene or glass-lined equipment. For queries regarding the suitability of other materials please contact the supplier.
--------------------	--

10.6 Hazardous decomposition products

No decomposition if stored a	nd applied as directed.
Hazardous decomposition	: tert-Butanol
products	tert-Amyl alcohol
-	Acetone
	Methane
	Ethane

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Therr	nal decomposition	lowest temp may occur w transport. A reaction and can be caus SADT. Cont	f accelerating decomposition temperature) is the erature at which self accelerating decomposition vith a substance in the packaging as used in dangerous self-accelerating decomposition , under certain circumstances, explosion or fire ed by thermal decomposition at and above the act with incompatible substances can cause on below the SADT.
	Accelerating mposition temperature T)	: 80 °C	

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified based on available information.

Components:

2,5-Dimethyl-2,5-di(tert-butylpe Acute oral toxicity :	eroxy)hexane: LD50 (Rat, male and female): > 2.000 mg/kg Method: OECD Test Guideline 401 GLP: yes					
	LD50 (Rat, male and female): > 32.000 mg/kg Method: OECD Test Guideline 401 Assessment: The substance or mixture has no acute oral toxicity					
Acute dermal toxicity :	LD50 (Rat, male): 2.800 - 5.400 mg/kg Method: OECD Test Guideline 402					
Silicon dioxide:						
Acute oral toxicity :	LD50 (Rat): > 10.000 mg/kg					
Skin corrosion/irritation Causes skin irritation.						
Components:						
2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane:						

Species	: Rabbit
Exposure time	: 4 h
Method	: OECD Test Guideline 404

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Result	:	Severe skin irritation
GLP	:	yes

Serious eye damage/eye irritation

Not classified based on available information.

Components:

2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane:

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

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane:

Test Type :	Maximisation Test
Species :	Guinea pig
Assessment :	Does not cause skin sensitisation.
Method :	OECD Test Guideline 406
GLP :	yes

Germ cell mutagenicity

Not classified based on available information.

Components:

2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane:

Genotoxicity in vitro :	Test Type: Chromosome aberration test in vitro Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: yes
Genotoxicity in vivo :	Test Type: In vivo micronucleus test Species: Mouse (male and female) Application Route: Oral

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Method: OECD Test Guideline 474 Result: negative GLP: yes

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Components:

2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane:

Effects on foetal development	:	Species: Rat Strain: Sprague-Dawley Application Route: Oral General Toxicity Maternal: NOAEL: 300 mg/kg bw/day Developmental Toxicity: NOAEL F1: 300 mg/kg bw/day Method: OECD Test Guideline 414 GLP: yes
		aer : yes

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane:

Species NOAEL Application Route Exposure time Method GLP	 Rat, male and female 150 mg/kg bw/day Oral 90 d OECD Test Guideline 408 yes
Species NOAEL Application Route Exposure time Method GLP	 Rat, male and female 200 mg/kg bw/day Oral 28 d OECD Test Guideline 407 yes

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Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Further information

Product:

Remarks

: No further data available.

SECTION 12: Ecological information

12.1 Toxicity

Components:

2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane:

Toxicity to fish :	LC50 (Oryzias latipes (Japanese medaka)): 4,5 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 GLP: yes Remarks: No toxicity at the limit of solubility
Toxicity to algae/aquatic : plants	EC50 (Pseudokirchneriella subcapitata (green algae)): > 236 µg/l Exposure time: 72 h Test Type: Growth inhibition Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes Remarks: No toxicity at the limit of solubility
Toxicity to microorganisms :	NOEC (activated sludge): > 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 GLP: yes

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á	aquatic i	to daphnia and other invertebrates toxicity)	:	NOEC: > 6.5 µg/ End point: reproc Exposure time: 2 Species: Daphnia Test Type: semi- Analytical monito Method: OECD T GLP: yes	duction rate 1 d a magna (Water flea) static test
I	Ecotoxi	cology Assessment			
		quatic toxicity	:	This product has	no known ecotoxicological effects.
(Chronic	aquatic toxicity	:	This product has	no known ecotoxicological effects.
12.2	Persiste	ence and degradabili	ity		
<u>(</u>	Compoi	nents:			
2	2,5-Dim	ethyl-2,5-di(tert-buty	lpe	roxy)hexane:	
E	Biodegra	adability	:	Inoculum: activat Concentration: 1 Result: Not readi Biodegradation: Exposure time: 2	ly biodegradable. 0 %
12.3	Віоассі	umulative potential			
<u>(</u>	Compoi	nents:			
2	2,5-Dim	ethyl-2,5-di(tert-buty	lpe	roxy)hexane:	
E	Bioaccu	mulation	:	Bioconcentration GLP: yes	factor (BCF): 521 - 839
	Partition octanol/	coefficient: n- water	:	log Pow: 7,34 (20	0 °C)
	-	/ in soil available			
12.5	Results	of PBT and vPvB as	ses	sment	

Product:

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Asses	sment		to be either persis	xture contains no components considered tent, bioaccumulative and toxic (PBT), or d very bioaccumulative (vPvB) at levels of
Com	oonents:			
2,5-D	imethyl-2,5-di(tert-bu	tylper	oxy)hexane:	
	sment		Not classified as F	PBT or vPvB
12.6 Endo	crine disrupting prop	erties	i	
Prod	uct:			
	sment		: The substance/mixture does not contain components considered to have endocrine disrupting properties acc to REACH Article 57(f) or Commission Delegated regu (EU) 2017/2100 or Commission Regulation (EU) 2018/ levels of 0.1% or higher.	
12.7 Othe	r adverse effects			
Produ Additi inform	onal ecological	:	None known.	
SECTION	I 13: Disposal cons	iderat	tions	
13.1 Wast	e treatment methods			
Produ			chemical or used	e ponds, waterways or ditches with
Conta	minated packaging		Due to the high ris recommended.	

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SECTION 14: Transport information

14.1 UN number or ID number		
ADN	:	UN 3108
ADR	:	UN 3108
RID	:	UN 3108
IMDG	:	UN 3108
ΙΑΤΑ	:	UN 3108
14.2 UN proper shipping name		
ADN	:	ORGANIC PEROXIDE TYPE E, SOLID (2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane)
ADR	:	ORGANIC PEROXIDE TYPE E, SOLID (2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane)
RID	:	ORGANIC PEROXIDE TYPE E, SOLID (2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane)
IMDG	:	ORGANIC PEROXIDE TYPE E, SOLID (2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane)
ΙΑΤΑ	:	Organic peroxide type E, solid (2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane)
14.3 Transport hazard class(es)		
		Class Subsidiary risks
ADN	:	5.2
ADR	:	5.2
RID	:	5.2
IMDG	:	5.2
ΙΑΤΑ	:	5.2 HEAT
14.4 Packing group		
ADN Packing group Classification Code Labels	:	Not assigned by regulation P1 5.2
ADR Packing group Classification Code Labels	:	Not assigned by regulation P1 5.2

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Tunnel restriction code	:	(D)	
RID Packing group Classification Code Hazard Identification Number Labels	: :	Not assigned by r P1 539 5.2	egulation
IMDG Packing group Labels EmS Code	:	Not assigned by r 5.2 F-J, S-R	egulation
IATA (Cargo) Packing instruction (cargo aircraft) Packing group Labels	:	570 Not assigned by r Organic Peroxide	egulation s, Keep Away From Heat
IATA (Passenger) Packing instruction (passenger aircraft) Packing group Labels	:	570 Not assigned by r Organic Peroxide	egulation s, Keep Away From Heat
14.5 Environmental hazards			
ADN Environmentally hazardous	:	no	
ADR Environmentally hazardous	:	no	
RID Environmentally hazardous	:	no	
IMDG Marine pollutant	:	no	

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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according to Regulation (EC) No. 1907/2006

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tl	he mar	I - Restrictions on the r ket and use of certain s and articles (Annex >	dangerous substan		:	Not applicable
		I - Candidate List of Su n for Authorisation (Art		ligh	:	Not applicable
		tion (EC) No 1005/2009 the ozone layer	9 on substances tha	at	:	Not applicable
	-	tion (EU) 2019/1021 or Its (recast)	n persistent organic		:	Not applicable
F	Parliam	tion (EC) No 649/2012 ent and the Council co of dangerous chemicals	ncerning the export	t and	:	Not applicable
	REACH Annex	I - List of substances s XIV)	ubject to authorisati	ion	:	Not applicable
E	Europe control	III: Directive 2012/18/I an Parliament and of th of major-accident haza ous substances.	ne Council on the	P6b	AND	F-REACTIVE SUBSTANCES MIXTURES and ORGANIC ROXIDES

Other regulations:

TCSI

Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP) Regulation of the European Parliament and Council Regulation (EC) No 286/2011 amending, for the purposes of its adaptation to technical progress. Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP) Act No. 350/2011 Sb. on chemical substances and chemical mixtures, as amended Act No. 258/2000 Sb. the protection of public health, as amended Act No. 262/2006 Sb. The Labour Code, as amended Law No. 201/2012 Sb. On air protection, as amended Act No. 254/2001 Sb. Water, as amended Government Regulation No. 361/2007 Sb. Laying down the conditions of health of workers at work, as amended Act No. 541/2020 on waste

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

: On the inventory, or in compliance with the inventory

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TSC	A	:	All substances lis	ted as active on the TSCA inventory	
AIIC		:	On the inventory,	or in compliance with the inventory	
DSL		:	All components o	f this product are on the Canadian DSL	
ENC	S	:	On the inventory,	or in compliance with the inventory	
ISHL		:	On the inventory,	or in compliance with the inventory	
KEC	I	:	On the inventory,	or in compliance with the inventory	
PICC	S	:	On the inventory,	or in compliance with the inventory	
IECS	SC	:	On the inventory,	or in compliance with the inventory	
NZIc	С	:	On the inventory,	or in compliance with the inventory	
TEC	I	:	On the inventory,	or in compliance with the inventory	
15.2 Chemical safety assessment 2,5-Dimethyl-2,5-di(tert- : butylperoxy)hexane			A Chemical Safet substance.	y Assessment has been carried out for this	
SECTION 16: Other information					
H242 H315		tions	Heating may cau Causes skin irrita		
Org.	Perox.	:	Organic peroxide	S	
	Skin Irrit. : Skin irritat 2000/39/EC : Europe. C list of india CZ OEL : Czech Re			nmission Directive 2000/39/EC establishing a first	
CZC			list of indicative occupational exposure limit values Czech Republic. Chemical agents at work - Appendix 2: Occupational exposure limits Limit Value - eight hours Time weighted average Maximum permissible concentration		
2000/39/EC / TWA CZ OEL / TWA CZ OEL / STEL		:			

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by

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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 - (Quantitative) 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: TRGS - Technical Rule for Hazardous Substances: TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information	: This data she section(s): Exposure sce	eet contains changes from the previous version in enario
Classification of the n	nixture:	Classification procedure:
Org. Perox. E	H242	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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

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according to Regulation (EC) No. 1907/2006

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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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