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

1.1 Product identifier	
The design of the second	

Trade name : DYBP-85-WO

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)

Organic peroxides, Type C	H242: Heating may cause a fire.	

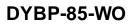
Long-term (chronic) aquatic hazard, Category 2 H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms		
Signal word	: Danger	
Hazard statements	: H242 Heating may cause a fire.	

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		H411 Toxic to	aquatic life with long lasting effects.
Preca	autionary statements	flames and othe P234 Keep of P273 Avoid re P280 Wear p	way from heat, hot surfaces, sparks, open er ignition sources. No smoking. nly in original packaging. elease to the environment. rotective gloves/ protective clothing/ eye protec- ction/ hearing protection.
		resistant foam,	In case of fire: Use water spray, alcohol- dry chemical or carbon dioxide to extinguish. spillage.

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

Chemical nature

Organic Peroxide Liquid mixture

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
di-tert-butyl 1,1,4,4-	1068-27-5	Org. Perox. B; H241	>= 80 - < 85
tetramethylbut-2-yn-1,4-ylene	213-944-5	Aquatic Chronic 2;	
diperoxide	01-2120752828-41-	H411	
	0000		

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Take off contaminated clothing and shoes immediately.Never give anything by mouth to an unconscious person.If unconscious, place in recovery position and seek medical advice.Move out of dangerous area.Show this safety data sheet to the doctor in attendance.Do not leave the victim unattended.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing
lf inhaled	:	Administer oxygen if breathing is difficult or cyanosis is ob- served. If breathed in, move person into fresh air. If not breathing, give artificial respiration. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	If symptoms persist, call a physician. Wash contaminated clothing before re-use. If on skin, rinse well with water. If on clothes, remove clothes.
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. If symptoms persist, call a physician.

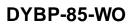
4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	Treat symptomatically and supportively.

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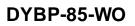


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SECTION 5: Firefighting measures

0 0	
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	 Risk of explosion if heated under confinement. Possible emission of gaseous decomposition products may lead to a dangerous pressure build-up. Avoid confinement. Contact with incompatible materials or exposure to tempera- tures exceeding SADT may result in a self-accelerating de- composition reaction with release of flammable vapors which may auto-ignite. The product burns violently. Flash back possible over considerable distance. Do not allow run-off from fire fighting to enter drains or water courses. Vapours may form explosive mixtures with air. The product will float on water and can be reignited on surface water. Cool closed containers exposed to fire with water spray.
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	 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use a water spray to cool fully closed 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.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Follow safe handling advice and personal protective equip- ment recommendations. Beware of vapours accumulating to form explosive concentra- tions. Vapours can accumulate in low areas. Use personal protective equipment. Remove all sources of ignition. Never return spills in original containers for re-use. Treat recovered material as described in the section "Disposal considerations".
----------------------	---	--

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.
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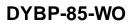
6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Advice on safe handling	:	Open drum carefully as content may be under pressure. Protect from contamination. Do not breathe vapours/dust.

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				Never return any originally removed Provide sufficient Avoid confinemen Keep away from to other ignition sour Smoking, eating a plication area. Wash thoroughly	y measures against static discharges. product to the container from which it was air exchange and/or exhaust in work rooms. t. neat, hot surfaces, sparks, open flames and rces. No smoking. and drinking should be prohibited in the ap-
		on protection against d explosion	:	(which might caus from heat and sou equipment. Keep sources of ignition	action to avoid static electricity discharge se ignition of organic vapours). Keep away urces of ignition. Use only explosion-proof away from open flames, hot surfaces and h. Keep away from combustible material. Do ked flame or any incandescent material.
	Hygien	e measures	:	food and drink. W	n skin, eyes and clothing. Keep away from hen using do not eat or drink. When using ash hands before breaks and immediately product.
7.2 0	Conditi	ons for safe storage,	inc	uding any incom	patibilities
	Require	ements for storage and containers	:	Store in original of cool, well-ventilated ventilated place. sure increases - of precautions. Store regulations. Avoid composition. Elect comply with the to	ontainer. Keep containers tightly closed in a ed place. Store in cool place. Keep in a well- Contamination may result in dangerous pres- closed containers may rupture. Observe label e in accordance with the particular national l impurities (e.g. rust, dust, ash), risk of de- ctrical installations / working materials must echnological safety standards. Containers must be carefully resealed and kept upright
	Advice	on common storage	:		combustible materials. strong acids, bases, heavy metal salts and bstances.
	Recom peratur	mended storage tem- e	:	10 - 40 °C	
	Further age sta	information on stor- ability	:	Stable under reco	mmended storage conditions.
	-	c end use(s) c 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

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
White mineral oil (petroleum)	8042-47-5	OELV - 8 hrs (TWA) (inhalable fraction)	5 mg/m3	IE OEL

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

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
di-tert-butyl 1,1,4,4- tetramethylbut-2-yn- 1,4-ylene diperoxide	Workers	Inhalation	Long-term systemic effects	10.58 mg/m3
	Workers	Skin contact	Long-term systemic effects	15 mg/kg

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

Substance name	Environmental Compartment	Value
di-tert-butyl 1,1,4,4-	Fresh water	0.00617 mg/l
tetramethylbut-2-yn-1,4-ylene		
diperoxide		
	Intermittent use/release	0.0617 mg/l
	Marine water	0.000617 mg/l
	Intermittent use/release	0.0617 mg/l
	Fresh water sediment	7.12 mg/kg
	Marine sediment	0.71 mg/kg
	Sewage treatment plant	100 mg/l
	Soil	1 mg/l

8.2 Exposure controls

Engineering measures

Minimize workplace exposure concentrations.

Personal protective equipment

Eye/face protection	:	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. Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded. Tightly fitting safety goggles Please wear suitable protective goggles. Also wear face pro- tection if there is a splace heazard
		tection if there is a splash hazard.

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		Equipment s	should conform to EN 166
M: Br Di M: Br Gl	protection aterial eak through time ove thickness rective aterial eak through time ove thickness	: butyl-rubber : 480 min : 0.47 mm	should conform to EN 374
Di	rective	: Equipment s	should conform to EN 374
Re	emarks	standard val material has tive glove. C depending c ous substan plications, w cals of the a	but break through time/strength of material are ues! The exact break through time/strength of to be obtained from the producer of the protec- choose gloves to protect hands against chemicals on the concentration and quantity of the hazard- ce and specific to place of work. For special ap- re recommend clarifying the resistance to chemi- forementioned protective gloves with the glove r. Wash hands before breaks and at the end of
Skin a	and body protection	resistance d potential. Additional be task being p posable suit Wear as app	ppriate protective clothing based on chemical ata and an assessment of the local exposure ody garments should be used based upon the erformed (e.g., sleevelets, apron, gauntlets, dis- s) to avoid exposed skin surfaces. oropriate: dant antistatic protective clothing.
Respi	ratory protection	approved filt	of dust or aerosol formation use respirator with an er. /ith combination filter for vapour/particulate (EN
Fil	ter type	: ABEK-filter	
Prote	ctive measures	to the conce	protective equipment must be selected according ntration and amount of the dangerous substance ic workplace.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physica Physical state	lan :	
Colour	:	light yellow
Odour	:	characteristic
Odour Threshold	:	No data available
Melting point/range	:	< -20 °C
Boiling point/boiling range	:	Decomposition: Decomposes below the boiling point.
Flammability	:	Not applicable Remarks: Organic peroxide
Upper explosion limit / Upper flammability limit	:	Upper explosion limit No data available
Lower explosion limit / Lower flammability limit	:	Lower explosion limit No data available
Flash point	:	69 °C Method: closed cup
Auto-ignition temperature	:	not determined
Self-Accelerating decomposi- tion temperature (SADT)	:	80 °C Method: UN-Test H.4 SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.
рН	:	substance/mixture is non-soluble (in water)
Viscosity Viscosity, dynamic	:	11 mPa.s (20 °C)

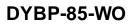
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	Vise	cosity, kinematic	:	not determined	
	Solubil Wa	ity(ies) ter solubility	:	practically insolu	ble
	Sol	ubility in other solvents	:	No data available	
	Partitio octano	n coefficient: n- I/water	:	log Pow: 6.71 (2	5 °C)
	Vapour	r pressure	:	< 0.01 hPa (20 °	C)
	Relativ	e density	:	not determined	
	Density	/	:	ca. 0.88 g/cm3 (ź	20 °C)
92	Other i	nformation			
5.2	Explos		:	Not explosive In use, may form	flammable/explosive vapour-air mixture.
	Oxidizi	ng properties	:	The substance o Organic peroxide	r mixture is not classified as oxidizing.
	Self-igr	hition	:	The substance o	r mixture is not classified as pyrophoric.
	Self-he	ating substances	:	The substance o	r mixture is not classified as self heating.
	which i	inces and mixtures, in contact with water, ammable gases	:	The substance o contact with wate	r mixture does not emit flammable gases in er.
	Desens	sitised explosives	:	Not applicable	
	Evapor	ation rate	:	No data available	
	Refract	ive index	:	1.437 at 20 °C	

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SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions. Heating may cause a fire or explosion.

10.2 Chemical stability

Stable under recommended storage conditions. No decomposition if stored normally.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Vapours may form explosive	mixture with air.
---------------------	---	----------------------------	-------------------

10.4 Conditions to avoid

Conditions to avoid	 Protect from contamination. Contact with incompatible substances can cause decomposition at or below SADT. Heat, flames and sparks. Avoid confinement.

10.5 Incompatible materials

Materials to avoid

: Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents

10.6 Hazardous decomposition products

Irritant, caustic, flammable, noxious/toxic gases and vapours can develop in the case of fire and decomposition

SECTION 11: Toxicological information

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

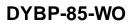
Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral tox- icity Remarks: No mortality observed at this dose.
		Remains. No mortainy observed at this dose.

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Acute	inhalation toxicity	:	Remarks: No data	a available	
Acute	Acute dermal toxicity		 LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity Remarks: No mortality observed at this dose. 		
<u>Comp</u>	oonents:				
di-ter	t-butyl 1,1,4,4-tetrame	ethylb	out-2-yn-1,4-ylene	diperoxide:	
Acute	e oral toxicity	:	icity		
Acute	inhalation toxicity	:	Remarks: No data	a available	
Acute	e dermal toxicity	:	toxicity		
Skin	corrosion/irritation				
Based	d on available data, the	class	ification criteria ar	e not met.	
<u>Produ</u>	uct:				
Metho Resul		-	OECD Test Guide No skin irritation		
<u>Comp</u>	<u>oonents:</u>				
di-ter	t-butyl 1,1,4,4-tetrame	ethylb	out-2-yn-1,4-ylene	diperoxide:	
Metho			OECD Test Guide	eline 404	
Resul	t	:	No skin irritation		
	us eye damage/eye in d on available data, the			e not met.	
Produ					
Metho Resul	bd		OECD Test Guide No eye irritation	eline 405	

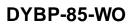
Components:

di-tert-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide:

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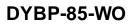
51011	31.07.2024	60000000177	Date of first issue: 27.06.2016
Metho Resul		: OECD Test Gu : No eye irritation	
Respi	iratory or skin sensi	tisation	
	sensitisation d on available data, t	he classification criteria	are not met.
•	iratory sensitisation lassified due to lack o		
Produ			
Resul	IT	: Does not cause	e skin sensitisation.
<u>Comp</u>	ponents:		
		nethylbut-2-yn-1,4-yle	
Resul	lt	: Does not cause	e skin sensitisation.
	cell mutagenicity lassified due to lack o	of data.	
<u>Prod</u>	uct:		
Geno	toxicity in vitro		erse mutation assay 9 Test Guideline 473 e
			itro mammalian cell gene mutation test) Test Guideline 476 e
Geno	toxicity in vivo	: Remarks: No c	lata available
<u>Com</u> p	ponents:		
di-ter	t-butvl 1.1.4.4-tetrar	nethylbut-2-yn-1,4-yle	ne diperoxide:
		: Tost Typo: rov	-

Genotoxicity in vitro	:	Test Type: reverse mutation assay Method: OECD Test Guideline 473 Result: negative
		Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative
Genotoxicity in vivo	:	Remarks: No data available

Carcinogenicity

Not classified due to lack of data.

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Components:

di-tert-butyl 1,1,4,4-tetrameth	nylk	out-2-yn-1,4-ylene diperoxide:
Remarks	:	This information is not available.

Reproductive toxicity

Not classified due to lack of data.

Product:

Effects on foetal develop- : ment

Components:

di-tert-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide:

Effects on foetal develop-	:	Species: Rat
ment		Application Route: Oral
		Developmental Toxicity: NOAEL: 300 mg/kg body weight
		Method: OECD Test Guideline 414
		Remarks: No data available

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Repeated dose toxicity

Product:	
Species :	Rat
NOAEL :	150 mg/kg
Application Route :	Oral
Exposure time :	90 d
Remarks :	Based on data from similar materials

Components:

di-tert-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide:

Species :	Rat
NOAEL :	150 mg/kg
Application Route :	Oral
Exposure time :	90 d
Remarks :	Based on data from similar materials

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Aspiration toxicity

Not classified due to lack of data.

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.

Further information

Product:

Remarks

: No data available

Components:

di-tert-butyl1,1,4,4-tetramethylbut-2-yn-1,4-ylenediperoxide:Remarks:No data available

SECTION 12: Ecological information

12.1 Toxicity

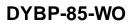
Product:

:	NOEC (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Remarks: No toxicity at the limit of solubility
:	EC50 (Daphnia (water flea)): > 5.31 mg/l Exposure time: 48 h Remarks: No toxicity at the limit of solubility
:	EC50 (Pseudokirchneriella subcapitata (green algae)): 6.17 mg/l Exposure time: 72 h

Components:

di-tert-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide:					
Toxicity to fish	: NOEC (Danio rerio (zebra fish)): > 100 mg/l				
	Exposure time: 96 h				
	Test Type: semi-static test				
	Method: OECD Test Guideline 203				

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878





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				Remarks: No toxic	city at the limit of solubility
		to daphnia and other invertebrates	:	EC50 (Daphnia (w Exposure time: 48 Test Type: static t Method: OECD Te	est
	Toxicity plants	to algae/aquatic	:	EC50 (Pseudokirc mg/l Exposure time: 72 Test Type: Growth Method: OECD Te	inhibition
				NOEC (Pseudokir mg/l Exposure time: 72 Test Type: Growth Method: OECD Te	inhibition
	Toxicity	to microorganisms	:	NOEC : > 1,000 m Exposure time: 3 Test Type: Respir Method: OECD Te	n ation inhibition of activated sludge

12.2 Persistence and degradability

Product:

Biodegradability : Result: Not rapidly biodegradable

Components:

di-tert-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide:						
Biodegradability	:	Result: Not rapidly biodegradable				
		Method: OECD Test Guideline 301				

12.3 Bioaccumulative potential

Components:

di-tert-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide: Partition coefficient: noctanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Assessment		:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels o 0.1% or higher.		
12.6 End	locrine disrupting prop	oertie	es		
Pro	duct:				
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.		
12.7 Oth	er adverse effects				
	<u>duct:</u> itional ecological infor- ion	:	unprofessional ha	hazard cannot be excluded in the event of andling or disposal. ife with long lasting effects.	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Dispose of wastes in an approved waste disposal facility. 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.
		According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Contaminated packaging	:	Dispose of in accordance with local regulations. Clean container with water. Dispose of contents/ container to an approved waste disposal plant. 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.

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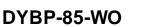
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SECTION 14: Transport information

14.1 UN number or ID number			
ADR	:	UN 3103	
RID	:	UN 3103	
IMDG	:	UN 3103	
ΙΑΤΑ	:	UN 3103	
14.2 UN proper shipping name			
ADR	:	ORGANIC PEROXID (2,5-DIMETHYL-2,5-D	E TYPE C, LIQUID DI-(tert-BUTYLPEROXY)HEXYNE-3)
RID	:	ORGANIC PEROXID (2,5-DIMETHYL-2,5-D	E TYPE C, LIQUID DI-(tert-BUTYLPEROXY)HEXYNE-3)
IMDG	:	ORGANIC PEROXID (2,5-DIMETHYL-2,5-I	E TYPE C, LIQUID DI-(tert-BUTYLPEROXY)HEXYNE-3)
ΙΑΤΑ	:	Organic peroxide typ (2,5-Dimethyl-2,5-di-(i	e C, liquid tert-butylperoxy) hexyne-3)
14.3 Transport hazard class(es)			
		Class	Subsidiary risks
ADR	:	5.2	
RID	:	5.2	
IMDG	:	5.2	
ΙΑΤΑ	:	5.2	HEAT
14.4 Packing group			
ADR Packing group Classification Code Labels Tunnel restriction code		Not assigned by regu P1 5.2 (D)	Ilation
RID Packing group Classification Code Hazard Identification Number Labels		Not assigned by regu P1 539 5.2	lation
IMDG Packing group Labels EmS Code	: : :	Not assigned by regu 5.2 F-J, S-R	lation
IATA (Cargo) Packing instruction (cargo	:	570	

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aircraft) Packing group Labels	:	Not assigned by regulation Organic Peroxides, Keep Away From Heat
IATA (Passenger)		
Packing instruction (passen-	:	570
ger aircraft) Packing group	:	Not assigned by regulation

:

14.5 Environmental hazards

Labels

ADR Environmentally	hazardous	:	yes
RID Environmentally	hazardous	:	yes
IMDG Marine pollutant		:	yes

14.6 Special precautions for user

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

Organic Peroxides, Keep Away From Heat

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3
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 pollu- tants (recast)	:	Not applicable

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Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and impo of dangerous chemicals	• •
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
Seveso III: Directive 2012/18/EU of the Euro- pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES
E2	ENVIRONMENTAL HAZARDS

Other regulations:

Gefahrgruppe nach TRGS 741: lb, S++ (German regulatory requirements)

The components of this pro TCSI (TW)	oduo :	ct are reported in the following inventories: On the inventory, or in compliance with the inventory
TSCA (US)	:	
AIIC (AU)	:	On the inventory, or in compliance with the inventory
DSL (CA)	:	All components of this product are on the Canadian DSL
KECI (KR)	:	On the inventory, or in compliance with the inventory
PICCS (PH)	:	On the inventory, or in compliance with the inventory
IECSC (CN)	:	On the inventory, or in compliance with the inventory
TECI (TH)	:	On the inventory, or in compliance with the inventory

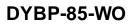
15.2 Chemical safety assessment

This information is not available.

SECTION 16: Other information

Further information

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878





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(Other ir	nformation	:	safety and does no uct specification. These safety instru- may still contain p	eet only contains information relating to ot replace any product information or prod- uctions also apply to empty packaging which roduct residues. e label also apply to residues in the con-
C		s of key data used to the Safety Data	:	: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/	
(Classifi	cation of the mixture):		Classification procedure:
(Org. Pe	erox. C	H24	12	Based on product data or assessment
ļ	Aquatic	Chronic 2	H41	1	Calculation method
F	Full tex	t of H-Statements			
-	H241 H411		:	Heating may cause a fire or explosion.Toxic to aquatic life with long lasting effects.	
F	Full tex	t of other abbreviation	ons		
C I	Org. Pe IE OEL		:	Exposure Limit Va	e) aquatic hazard gents and Carcinogens with Occupational lues - Code of Practice, Schedule 1 and 2 posure limit value (8-hour reference period)

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

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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 Haz ardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Disclaimer

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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