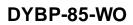
according to the Hazardous Products Regulations





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1.2	07/31/2024	60000000177	Date of first issue: 11/03/2020

SECTION 1. IDENTIFICATION

Trade name	:	DYBP-85-WO	
Other means of identification	:	No data available	
Manufacturer or supplier's d	leta	iils	
Company name of supplier	:	United Initiators, Inc.	
Address	:	555 Garden Street Elyria OH 44035 USA	
		United Initiators Canada Ltd. 2147 PG Pulp Mill Road Prince George, BC-V2N 2S6 CANADA	
Telephone	:	+1-440-323-3112	
Telefax	:	+1-440-323-2659	
Emergency telephone	:	CHEMTREC US (24h): CHEMTREC WORLD (24h): CANUTEC (24h):	+1-800-424-9300 +1-703-527-3887 1-613-996-6666
For Transportation Incidents	:	TERRAPURE EMERGENCY RESPON 1-800-567-7455	ISE SERVICES (24h):
E-mail address of person responsible for the SDS	:	cs-initiators.nafta@united-in.com	
Recommended use of the ch Recommended use	nen :		

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Flammable liquids	:	Category 4
Organic peroxides	:	Type C
Short-term (acute) aquatic hazard	:	Category 2
Long-term (chronic) aquatic	:	Category 2

according to the Hazardous Products Regulations

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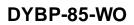


ersion 2	Revision Date: 07/31/2024	SDS Number: 600000000177	Date of last issue: 01/25/2022 Date of first issue: 11/03/2020
hazaro	d		
GHS	label elements		
Hazar	d pictograms		*
Signa	I Word	: Danger	
Hazar	d Statements	•	tible liquid. may cause a fire. aquatic life with long lasting effects.
Preca	utionary Statements	[:] Prevention:	
		and other ignit P234 Keep on P240 Ground P273 Avoid re P280 Wear pro	vay from heat, hot surfaces, sparks, open flames ion sources. No smoking. Iy in original packaging. and bond container and receiving equipment. lease to the environment. otective gloves/ protective clothing/ eye protection i/ hearing protection.
			n case of fire: Use water spray, alcohol-resistan nical or carbon dioxide to extinguish. spillage.
		Storage:	
		P410 Protec P411 Store	in a well-ventilated place. t from sunlight. at temperatures not exceeding 40 °C/ 104 °F. separately.
		Disposal: P501 Dispose posal plant.	of contents/ container to an approved waste dis

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
Chemical nature	:	Organic Peroxide Liquid mixture

according to the Hazardous Products Regulations





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Components

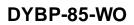
Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
di-tert-butyl 1,1,4,4- tetramethylbut-2-yn- 1,4-ylene diperoxide	di-tert-butyl 1,1,4,4- tetramethylbut- 2-yn-1,4-ylene diperoxide	1068-27-5	>= 80 - < 85 *
White mineral oil (pe- troleum)	White mineral oil (petroleum)	8042-47-5	>= 15 - < 20 *

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. 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 material safety data sheet to the doctor in attendance. Do not leave the victim unattended.
lf inhaled	:	Administer oxygen if breathing is difficult or cyanosis is observed. 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.

according to the Hazardous Products Regulations



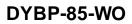


Version 1.2	Revision Date: 07/31/2024		DS Number: 0000000177	Date of last issue: 01/25/2022 Date of first issue: 11/03/2020
	t important symptoms effects, both acute and yed	:	None known.	
Prot	ection of first-aiders	:		ers should pay attention to self-protection mmended protective clothing
Note	es to physician	:	Treat symptomat	ically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray jet Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
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 temperatures exceeding SADT may result in a self- accelerating decomposition 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. Vapors 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.
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.

according to the Hazardous Products Regulations



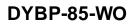


Versio 1.2	on	Revision Date: 07/31/2024		S Number: 0000000177	Date of last issue: 01/25/2022 Date of first issue: 11/03/2020
	Special for fire-fi	historia administration	:	Wear self-containe necessary. Use personal prote	ed breathing apparatus for firefighting if ective equipment.
SECT	FION 6.	ACCIDENTAL RELEA	ASE	MEASURES	
t	tive equ	al precautions, protec- ipment and emer- rocedures	:	equipment recomm Beware of vapors concentrations. Va Use personal prote Remove all source Never return spills	accumulating to form explosive apors can accumulate in low areas. ective equipment.
E	Environi	mental precautions	:	Prevent further lea	om entering drains. akage or spillage if safe to do so. aminates rivers and lakes or drains inform ies.
		s and materials for ment and cleaning up	:	decomposition at a Clear spills immed Suppress (knock o jet. To clean the floor material, use plent Soak up with inert Isolate waste and Non-sparking tools Local or national r disposal of this ma employed in the c	liately. down) gases/vapors/mists with a water spray and all objects contaminated by this cy of water. absorbent material. do not reuse.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Advice on protection against fire and explosion	:	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from heat and sources of ignition. Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition. Keep away from combustible material. Do not spray on a naked flame or any incandescent material.

according to the Hazardous Products Regulations





Vers 1.2	ion	Revision Date: 07/31/2024	-	05 Number: 0000000177	Date of last issue: 01/25/2022 Date of first issue: 11/03/2020
	Advice	on safe handling	:	Protect from conta Do not breathe va Avoid formation of Take precautionar Never return any originally removed Provide sufficient Avoid confinement Keep away from h other ignition sour Smoking, eating a application area. Wash thoroughly	pors/dust. f aerosol. y measures against static discharges. product to the container from which it was air exchange and/or exhaust in work rooms. t. heat, hot surfaces, sparks, open flames and ces. No smoking. Ind drinking should be prohibited in the
	Conditio	ons for safe storage	:	Store in cool place Keep in a well-ven Contamination ma closed containers Observe label pre Store in accordand Avoid impurities (Electrical installation	ightly closed in a cool, well-ventilated place. e. tilated place. ay result in dangerous pressure increases - may rupture. cautions. ce with the particular national regulations. e.g. rust, dust, ash), risk of decomposition. ions / working materials must comply with safety standards. are opened must be carefully resealed and
	Materia	ls to avoid	:		combustible materials. strong acids, bases, heavy metal salts and ostances.
	Recomr perature		:	10 - 40 °C	
	Further age sta	information on stor- bility	:	Stable under reco	mmended storage conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	

according to the Hazardous Products Regulations

SDS Number:

Revision Date:



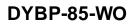
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SIGH	07/31/2024	-	0000000177		t issue: 11/03/2020	
				exposure)	concentration	
White	mineral oil (petroleum)		8042-47-5	TWA (Mist)	5 mg/m3	CA AB OE
			0012110	STEL (Mist)	10 mg/m3	CA AB OE
				TWAEV (Mist	5 mg/m3	CA QC OI
				- Inhalable	o mg/mo	0,1 0,0 01
				dust)		
				TWA (Mist)	1 mg/m3	CA BC OE
				TWA	5 mg/m3	ACGIH
				(Inhalable	- 5 -	
				particulate		
				matter)		
Engin	eering measures	:	Minimize work	kplace exposure	concentrations.	
Perso	onal protective equipm	ent				
Respir	ratory protection	:	In the case of	dust or aerosol	formation use resp	irator with an
•			approved filte			
Filt	ter type	:	ABEK-filter			
			Use NIOSH a	pproved respirat	ory protection.	
Hand	protection					
	aterial		Nitrile rubber			
	eak through time	:	480 min			
	ove thickness	:	0.40 mm			
		•	0.10 1111			
Ма	aterial	:	butyl-rubber			
Bre	eak through time	:	480 min			
Glo	ove thickness	:	0.47 mm			
Ro	marks		The data abo	ut break through	time/strength of m	atorial aro
i ve		•	standard value	es! The exact br	eak through time/s	trength of
					es to protect hands	
					concentration and q	
					ecific to place of wo	
					ecommend clarifyir	
					aforementioned pr	
					turer. Wash hands	
			-	t the end of work		
Eye p	rotection	:			and safety showers	s are close
			to the worksta			
			Please follow	all applicable loo	cal/national require	ments when
					-	
			selecting prot	ective measures	for a specific work	
			selecting prot Always wear	ective measures eye protection w	hen the potential for	or inadvertent
			selecting prote Always wear eye contact w	ective measures eye protection w <i>i</i> th the product c		or inadvertent
			selecting prote Always wear eye contact w Tightly fitting	ective measures eye protection w vith the product c safety goggles	hen the potential for	or inadvertent

according to the Hazardous Products Regulations



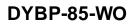


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		protection if	f there is a splash hazard.		
Skin and body protection			: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.		
		task being disposable Wear as ap	body garments should be used based upon the performed (e.g., sleevelets, apron, gauntlets, suits) to avoid exposed skin surfaces. propriate: dant antistatic protective clothing.		
Prote	ective measures	to the conce	protective equipment must be selected according entration and amount of the dangerous substance ific workplace.		
Hygie	ene measures	Keep away When using When using	act with skin, eyes and clothing. from food and drink. g do not eat or drink. g do not smoke. s before breaks and immediately after handling		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	light yellow
Odor	:	characteristic
Odor Threshold	:	No data available
рН	:	substance/mixture is non-soluble (in water)
Melting point/range	:	< -20 °C
Boiling point/boiling range	:	Decomposition: Decomposes below the boiling point.
Flash point	:	69 °C
		Method: closed cup

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	Evapora	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable Remarks: Organi	c peroxide
	Self-ign	ition	:	The substance of	mixture is not classified as pyrophoric.
		explosion limit / Upper bility limit	:	Upper explosion No data available	
		explosion limit / Lower bility limit	:	Lower explosion No data available	
	Vapor p	pressure	:	< 0.01 hPa (20 °	C)
	Relative	edensity	:	not determined	
	Density		:	ca. 0.88 g/cm3 (2	20 °C)
	Solubilit Wat	ty(ies) er solubility	:	practically insolul	ble
	Solu	bility in other solvents	:	No data available	
	Partitior octanol/	n coefficient: n- /water	:	log Pow: 6.71 (25	5 °C)
	Autoign	ition temperature	:	not determined	
		celerating decomposi- nperature (SADT)	:	temperature at w	H.4 erating Decomposition Temperature. Lowest hich the tested package size will undergo a decomposition reaction.
	Viscosi Visc	ty osity, dynamic	:	11 mPa.s (20 °C	;)
	Visc	osity, kinematic	:	not determined	
	Explosi	ve properties	:	Not explosive In mixture.	use, may form flammable/explosive vapor-air
	Oxidizir	ng properties	:	The substance of Organic peroxide	r mixture is not classified as oxidizing.
	Self-hea	ating substances	:	The substance of	r mixture is not classified as self heating.
	Refracti	ve index	:	1.437 (20 °C)	

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions. Heating may cause a fire or explosion.
Chemical stability	:	Stable under recommended storage conditions. No decomposition if stored normally.
Possibility of hazardous reac- tions	:	Vapors may form explosive mixture with air.
Conditions to avoid	:	Protect from contamination. Contact with incompatible substances can cause decomposition at or below SADT. Heat, flames and sparks. Avoid confinement.
Incompatible materials	:	Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents
Hazardous decomposition products	:	Irritant, caustic, flammable, noxious/toxic gases and vapours can develop in the case of fire and decomposition

SECTION 11. TOXICOLOGICAL INFORMATION

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.
Acute inhalation toxicity	:	Remarks: No data available
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.

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Components:

di-tert-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide: Acute oral toxicity LD50 (Rat): > 2,000 mg/kg : Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral toxicity Remarks: No mortality observed at this dose. Acute inhalation toxicity Remarks: No data available : 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. White mineral oil (petroleum): Acute oral toxicity LD50 (Rat): > 5,000 mg/kg : Method: OECD Test Guideline 401 Assessment: The substance or mixture has no acute oral toxicity Acute inhalation toxicity LC50 (Rat): > 5 mg/l : Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity LD50 (Rabbit): > 2,000 mg/kg Acute dermal toxicity : Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity Remarks: No mortality observed at this dose. Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Product:

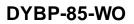
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Components:

di-tert-butyl	1,1,4,4-tetramethylbut-2-yn-1,4-ylene	diperoxide:
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Method	:	OECD Test Guideline 404
Result	:	No skin irritation

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White mineral oil (petroleum):

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

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Product:

Result	:	No eye irritation
Method	:	OECD Test Guideline 405

Components:

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

Result	:	No eye irritation
Method	:	OECD Test Guideline 405

White mineral oil (petroleum):

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

Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Not classified due to lack of data.

Product:

Result

: Does not cause skin sensitization.

Components:

di-tert-butyl	1,1,4,4-tetrameth	ylbut-2-yn-1,4-ylene	diperoxide:
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Result

: Does not cause skin sensitization.

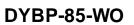
White mineral oil (petroleum):

Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitization.

Germ cell mutagenicity

Not classified due to lack of data.

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<u>Produ</u> Genote	i <u>ct:</u> oxicity in vitro	:	••	erse mutation assay) Test Guideline 473 e
				itro mammalian cell gene mutation test) Test Guideline 476 e
Genote	oxicity in vivo	:	Remarks: No c	lata available
<u>Comp</u>	onents:			
di-tert	-butyl 1,1,4,4-tetra	methylk	out-2-yn-1,4-yle	ne diperoxide:
Genote	oxicity in vitro	:		erse mutation assay) Test Guideline 473 e
				itro mammalian cell gene mutation test) Test Guideline 476 e
Genot	oxicity in vivo	:	Remarks: No c	lata available
White	mineral oil (petrol	eum):		
Genote	oxicity in vitro	:	Result: negative	mation given is based on data obtained fror
Genote	oxicity in vivo	:	Result: negative) Test Guideline 474 e ed on data from similar materials
Carcir	nogenicity			
	assified due to lack	of data.		
<u>Comp</u>	onents:			
di-tert	-butyl 1,1,4,4-tetra	methylk	out-2-yn-1,4-yle	ne diperoxide:
Rema	• • • •	:	• • •	n is not available.
White	mineral oil (petrol	eum):		
Metho Result Remar		:	OECD Test Gunegative Based on data	ideline 453 from similar materials

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-	oductive toxicity lassified due to lack of da	ta.	
Prod	uct:		
Effec	ts on fetal development		Toxicity: NOAEL: 300 mg/kg body weight D Test Guideline 414
<u>Com</u>	ponents:		
di-te	rt-butyl 1,1,4,4-tetrametl	nylbut-2-yn-1,4-yle	ne diperoxide:
	ts on fetal development	: Species: Rat Application Ro Developmental	ute: Oral Toxicity: NOAEL: 300 mg/kg body weight D Test Guideline 414
Whit	e mineral oil (petroleum):	
Effec	ts on fertility	Result: negativ	D Test Guideline 415 e ed on data from similar materials
		Result: negativ	D Test Guideline 421 e ed on data from similar materials
Effec	ts on fetal development	Result: negativ	D Test Guideline 414 e ed on data from similar materials
STO	T-single exposure		
	lassified due to lack of da	ta.	
<u>Com</u>	ponents:		
Whit	e mineral oil (petroleum):	
Asse	ssment	: No data availat	ble
STO	T-repeated exposure		
Not c	lassified due to lack of da	ta.	
<u>Com</u>	ponents:		
White	e mineral oil (petroleum):	
Asse	ssment		or mixture is not classified as specific target
Rema	arks		, repeated exposure. due to data which are conclusive although ins sification.
-		14 / 2	1

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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

Aspiration toxicity

Not classified due to lack of data.

Components:

White mineral oil (petroleum):

No aspiration toxicity classification

Further information

Product:

Remarks

: No data available

Components:

di-tert-butyl 1,1,4,4-tetramethylbut-2-yn-1,4-ylene diperoxide: Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish

 NOEC (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Remarks: No toxicity at the limit of solubility.

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	-	to daphnia and other invertebrates	:	EC50 (Daphnia): Exposure time: 48 Remarks: No toxic	
	Toxicity plants	to algae/aquatic	:	EC50 (Pseudokirc mg/l Exposure time: 72	hneriella subcapitata (green algae)): 6.17 h
	<u>Compo</u>	onents:			
	di-tert-l	butyl 1,1,4,4-tetramet	hvlk	out-2-vn-1.4-vlene	diperoxide:
	Toxicity		:	NOEC (Danio reric Exposure time: 96 Test Type: semi-s Method: OECD Te	o (zebra fish)): > 100 mg/l s h tatic test
		to daphnia and other invertebrates	:	EC50 (Daphnia): Exposure time: 48 Test Type: static t Method: OECD Te	est
	Toxicity plants	r to algae/aquatic	:	mg/l Exposure time: 72 Test Type: Growth Method: OECD Te	n inhibition
				Exposure time: 72 Test Type: Growth Method: OECD Te	i inhibition
	Toxicity	to microorganisms	:	NOEC: > 1,000 m Exposure time: 3 l Test Type: Respira Method: OECD Te	n ation inhibition of activated sludge
	White r	nineral oil (petroleun	n):		
	Toxicity		:	LL50 (Oncorhynch Exposure time: 96 Method: OECD Te	
		to daphnia and other invertebrates	:	NOEL (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity plants	to algae/aquatic	:	NOEL (Pseudokiro mg/l	chneriella subcapitata (microalgae)): >= 100

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ersion .2	Revision Date: 07/31/2024	-	DS Number: 0000000177	Date of last issue: 01/25/2022 Date of first issue: 11/03/2020
			Exposure time: 72 Method: OECD Te	
	ic invertebrates (Chron-	:	NOEC (Daphnia n Method: OECD Te	nagna (Water flea)): 1,000 mg/l est Guideline 211
Persi	stence and degradabil	ity		
<u>Produ</u> Biode	<mark>uct:</mark> gradability	:	Result: Not rapidly	biodegradable
<u>Com</u> p	oonents:			
di-ter	t-butyl 1,1,4,4-tetramet	hyl	but-2-yn-1,4-ylene	diperoxide:
Biode	gradability	:	Result: Not rapidly Method: OECD Te	
White	e mineral oil (petroleun	n):		
Biode	gradability	:	Result: Biodegrada Method: OECD Te	able est Guideline 301F
Bioad	ccumulative potential			
<u>Com</u>	oonents:			
di-ter	t-butyl 1,1,4,4-tetramet	hyl	but-2-yn-1,4-ylene	diperoxide:
	ion coefficient: n- ol/water	:	log Pow: > 6.5	
White	e mineral oil (petroleun	n):		
	ion coefficient: n- ol/water	:	log Pow: > 3.5	
Mobi	lity in soil			
No da	ata available			
Other	r adverse effects			
Produ				
Additi matio	onal ecological infor- n	:	unprofessional ha	hazard cannot be excluded in the event of ndling or disposal. e with long lasting effects.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	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 chemical or used container.
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.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number		UN 3103
Proper shipping name	:	
Class	:	5.2
Packing group	:	Not assigned by regulation
Labels	:	5.2
Environmentally hazardous	:	yes
IATA-DGR		
UN/ID No.	:	UN 3103
Proper shipping name	:	Organic peroxide type C, liquid
		(2,5-Dimethyl-2,5-di-(tert-butylperoxy) hexyne-3)
Class	:	5.2
Packing group	:	Not assigned by regulation
Labels	:	Organic Peroxides, Keep Away From Heat
Packing instruction (cargo aircraft)	:	570
Packing instruction (passen-	:	570
ger aircraft)		
IMDG-Code		
UN number	:	UN 3103
Proper shipping name	:	ORGANIC PEROXIDE TYPE C, LIQUID (2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXYNE-3)
Class	:	5.2
Packing group	:	Not assigned by regulation
Labels	:	5.2

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Trans Not ap	pollutant port in bulk according plicable for product as		-	OL 73/78 and the IBC Code
TDG UN nu Proper Class Packin Labels ERG C	shipping name		ANIC PERC	OXIDE TYPE C, LIQUID 2,5-DI-(tert-BUTYLPEROXY)HEXYNE-3)

Special precautions for user

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

SECTION 15. REGULATORY INFORMATION

International Regulations

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

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

TCSI (TW)	: On the inventory, or in compliance with the invento	ry
TSCA (US)	: All substances listed as active on the TSCA inventor	ory
AIIC (AU)	: On the inventory, or in compliance with the invento	ry
DSL (CA)	: All components of this product are on the Canadiar	ו DSL
KECI (KR)	: On the inventory, or in compliance with the invento	ry
PICCS (PH)	: On the inventory, or in compliance with the invento	ry
IECSC (CN)	: On the inventory, or in compliance with the invento	ry
TECI (TH)	: On the inventory, or in compliance with the invento	ry

Canadian lists

No substances are subject to a Significant New Activity Notification.

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SECTION 16. OTHER INFORMATION

Further information

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

These safety instructions also apply to empty packaging which may still contain product residues. The hazards on the label also apply to residues in the container.

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

Revision Date	:	07/31/2024
Date format	:	mm/dd/yyyy

Full text of other abbreviations

ACGIH CA AB OEL	:	USA. ACGIH Threshold Limit Values (TLV) Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL CA QC OEL	:	Canada. British Columbia OEL Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants
ACGIH / TWA CA AB OEL / TWA CA AB OEL / STEL CA BC OEL / TWA CA QC OEL / TWAEV	:	8-hour, time-weighted average 8-hour Occupational exposure limit 15-minute occupational exposure limit 8-hour time weighted average Time-weighted average exposure value

AllC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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 Or-

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ganisation 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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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