TBPB



Vers 4.0	sion	Revision Date: 25.02.2025		S Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
SEC	TION 1 Produc	: IDENTIFICATION t name	:	ТВРВ	
	Manuf a Compa	acturer or supplier's d ny	letai :	I s United Initiators I	Pty Ltd
	Addres	S	:	20-22 McPherson Banksmeadow N	n Street ISW 2019 Australia
	Emerge	ency telephone number	• :	+49 89 744220 (2	24 hours specialist advise)
	E-mail	address	:	cs-initiators.au@	united-in.com
		mended use of the ch mended use	nemi :	ical and restriction polymerisation in	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification	
---------------------------	--

Organic peroxides	:	Туре С
Acute toxicity (Inhalation)	:	Category 4
Skin corrosion/irritation	:	Category 2
Skin sensitisation	:	Category 1
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 3
GHS label elements Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H242 Heating may cause a fire. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H400 Very toxic to aquatic life.



ersion 0	Revision Date: 25.02.2025	SDS Number: 600000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
		H412 Harmful	to aquatic life with long lasting effects.
Preca	utionary statements	Prevention:	
		P210 Keep aw and other ignit P234 Keep on P240 Ground P261 Avoid br P264 Wash sk P271 Use only P272 Contami the workplace P273 Avoid re P280 Wear pr	vay from heat, hot surfaces, sparks, open flame tion sources. No smoking. Ily in original packaging. and bond container and receiving equipment. eathing mist or vapours. tin thoroughly after handling. y outdoors or in a well-ventilated area. inated work clothing should not be allowed out of lease to the environment. otective gloves/ protective clothing/ eye protec- ection/ hearing protection.
		Response:	
		P304 + P340 - and keep com doctor if you fe P333 + P313 vice/ attention P362 + P364 ⁻ reuse. P370 + P378	If skin irritation or rash occurs: Get medical ad- Take off contaminated clothing and wash it befo In case of fire: Use water spray, alcohol-resistan mical or carbon dioxide to extinguish.
		Storage:	
		P410 Protec P411 Store	in a well-ventilated place. et from sunlight. at temperatures not exceeding 40 °C/ 104 °F. separately.
		Disposal:	of contents/ container to an approved waste
	hazards which do r known.	ot result in classifica	ation

Substance / Mixture	: Substance
Chemical nature	: Organic Peroxide liquid
Substance name	: tert-Butyl perbenzoate
CAS-No.	: 614-45-9

TBPB



Version	Revision Date:	SDS Number:	Date of last issue: 31.05.2023
4.0	25.02.2025	60000000000	Date of first issue: 25.10.2016

Components

Chemical name	CAS-No.	Concentration (% w/w)
tert-Butyl perbenzoate	614-45-9	<= 100

SECTION 4. FIRST AID MEASURES

General advice :	Take off contaminated clothing and shoes immediately. Call a physician 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.
If inhaled :	Symptoms of poisoning may appear several hours later. 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. Call a physician or poison control centre immediately. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear.
In case of skin contact :	If symptoms persist, call a physician. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. If on skin, rinse well with water. If on clothes, remove clothes.
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 :	Call a physician immediately. Rinse mouth thoroughly with water. Keep respiratory tract clear. If symptoms persist, call a physician.
Most important symptoms : and effects, both acute and delayed	Causes skin irritation. May cause an allergic skin reaction. Harmful if inhaled. sensitising effects
Protection of first-aiders :	First Aid responders should pay attention to self-protection



Version 4.0	Revision Date: 25.02.2025		05 Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
Note	s to physician	:		mmended protective clothing tically and supportively.
SECTION	I 5. FIREFIGHTING MEA	SU	RES	
Suita	able extinguishing media	:	Water spray jet Alcohol-resistant Carbon dioxide (Dry chemical	
Unsu medi	uitable extinguishing a	:	High volume wat	er jet
Spec fighti	cific hazards during fire- ng	:	Possible emissic lead to a danger Avoid confineme Contact with inco tures exceeding composition read may auto-ignite. The product burn Flash back poss Do not allow run courses. Vapours may for The product will water.	ompatible materials or exposure to tempera- SADT may result in a self-accelerating de- ction with release of flammable vapors which
Spec ods	tific extinguishing meth-	:	cumstances and Use a water spra Collect contamin must not be disc Fire residues and be disposed of ir Do not use a solutire.	g measures that are appropriate to local cir- the surrounding environment. ay to cool fully closed containers. ated fire extinguishing water separately. This harged into drains. d contaminated fire extinguishing water must accordance with local regulations.
			so. Use water spray	to cool unopened containers.
	cial protective equipment refighters	:	essary.	ned breathing apparatus for firefighting if nec- ptective equipment.

TBPB



Version 4.0	Revision Date: 25.02.2025		0S Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
Hazo	chem Code	:	2WE	
SECTION	N 6. ACCIDENTAL RELE	AS	EMEASURES	
tive	onal precautions, protec- equipment and emer- cy procedures	:	ment recommend Beware of vapour tions. Vapours ca Use personal pro Ensure adequate Remove all sourc Never return spills	s accumulating to form explosive concentra- n accumulate in low areas. tective equipment. ventilation.
Envi	ronmental precautions	:	Prevent further le	rom entering drains. akage or spillage if safe to do so. taminates rivers and lakes or drains inform ities.
	nods and materials for ainment and cleaning up	:	tion at or below S Clear spills imme Suppress (knock spray jet. To clean the floor al, use plenty of v Soak up with iner Isolate waste and Non-sparking too Local or national posal of this mate employed in the o	diately. down) gases/vapours/mists with a water and all objects contaminated by this materi- vater. t absorbent material.

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 vapours). 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.



/ersion 4.0	Revision Date: 25.02.2025		OS Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
Advice	e on safe handling	:	Protect from con Do not swallow. Do not breathe v Avoid exposure - Avoid contact with Avoid formation of Take precautiona Never return any originally remove Provide sufficien Avoid confineme Keep away from other ignition sou Smoking, eating plication area. Wash thoroughly For personal pro Persons suscept allergies, chronic	apours/dust. obtain special instructions before use. th skin and eyes. of aerosol. ary measures against static discharges. product to the container from which it was ed. t air exchange and/or exhaust in work rooms. nt. heat, hot surfaces, sparks, open flames and urces. No smoking. and drinking should be prohibited in the ap-
Hygie	ne measures	:	Keep away from When using do n When using do n	not eat or drink.
Condi	tions for safe storage	:	Store in cool place Keep in a well-vec Contamination m closed containers Observe label pr Store in accorda Avoid impurities Electrical installa the technologica	tightly closed in a cool, well-ventilated place. ce. entilated place. hay result in dangerous pressure increases - s may rupture. ecautions. nce with the particular national regulations. (e.g. rust, dust, ash), risk of decomposition. titions / working materials must comply with I safety standards. n are opened must be carefully resealed and
Mater	ials to avoid	:		combustible materials. strong acids, bases, heavy metal salts and ubstances.
Recor peratu	mmended storage tem- ure	:	10 - 40 °C	
Furthe	er information on stor-	:	Stable under rec	ommended storage conditions.

TBPB



4.0 25.02.2025 60000000000 Date of first issue: 25.10.2016	Version 4.0	Revision Date: 25.02.2025	SDS Number: 600000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016	
--	----------------	---------------------------	-----------------------------	---	--

age stability

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

	occupational exposure limit values.
Engineering measures	: Minimize workplace exposure concentrations.
Personal protective equip	nent
Respiratory protection	: In the case of dust or aerosol formation use respirator with an approved filter.
Filter type	: ABEK-filter
Hand protection Material Break through time Glove thickness	 Nitrile rubber 480 min 0.40 mm
Remarks	: The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protec- tive glove. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazard- ous substance and specific to place of work. For special ap- plications, we recommend clarifying the resistance to chemi- cals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
Eye 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 protection if 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. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Wear as appropriate: Flame retardant antistatic protective clothing.



Versio 4.0	on	Revision Date: 25.02.2025		S Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016		
F	Protective measures		: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.				
SECT	ION 9	. PHYSICAL AND CHI	EMIC		3		
A	Appear	ance	:	liquid			
C	Colour		:	light yellow			
C	Ddour		:	ester-like			
C	Ddour ⁻	Threshold	:	No data available	9		
р	Н		:	not determined s	ubstance/mixture is non-soluble (in water)		
Ν	Nelting	point/freezing point	:	ca. 10 °C			
	nitial b ange	oiling point and boiling	:	Decomposition: I	Decomposes below the boiling point.		
F	-lash p	ooint	:	100 °C			
				Method: ISO 367	9, closed cup		
E	Evapor	ation rate	:	No data available	9		
F	lamm	ability (solid, gas)	:	Not applicable			
F	lamm	ability (liquids)	:	Organic peroxide	e, Flammable liquid		
S	Self-igr	hition	:	The substance o	r mixture is not classified as pyrophoric.		
		explosion limit / Upper bility limit	:	Upper explosion not determined	limit		
		explosion limit / Lower bility limit	:	Lower explosion not determined	limit		
٧	/apour	pressure	:	0.003 hPa (20 °C	2)		
F	Relativ	e vapour density	:	No data available	9		
F	Relativ	e density	:	not determined			
C	Density	/	:	1.04 g/cm3 (20 °	C)		
S	Solubili	ty(ies)					

TBPB



Vers 4.0	ion	Revision Date: 25.02.2025		S Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
	Wate	er solubility	:	insoluble	
	Solubility in other solvents		:	completely miscil Solvent: Alcohol	ble
				completely miscil Solvent: Phthalat	
	Partitior octanol/	n coefficient: n- water	:	log Pow: 3.0 (25	°C)
	Auto-igr	nition temperature	:	not determined D	ecomposition
		celerating decomposi- perature (SADT)	:	temperature at w	H.4 erating Decomposition Temperature. Lowest hich the tested package size will undergo a decomposition reaction.
	Viscosit Visco	y osity, dynamic	:	8 mPa.s (20 °C)	
	Visco	osity, kinematic	:	not determined	
	Explosiv	/e properties	:	Not explosive In air mixture.	use, may form flammable/explosive vapour-
	Oxidizin	g 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	:	1.499 (20 °C)	

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.
Possibility of hazardous reac- tions	:	Vapours may form explosive mixture with air.
Conditions to avoid	:	Protect from contamination. Contact with incompatible substances can cause decomposi- tion at or below SADT. Heat, flames and sparks. Avoid confinement.
Incompatible materials	:	Accelerators, strong acids and bases, heavy metals and



ersion)	Revision Date: 25.02.2025	SDS Number: 6000000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
		heavy meta	Il salts, reducing agents
Hazaı produ	rdous decomposition cts		stic, flammable, noxious/toxic gases and vapour o in the case of fire and decomposition
CTION	11. TOXICOLOGICAL	INFORMATION	
	e toxicity ful if inhaled.		
Produ	uct:		
Acute	oral toxicity	Method: OE GLP: yes	emale): > 2,000 mg/kg CD Test Guideline 423 : The substance or mixture has no acute oral tox
Acute	inhalation toxicity	Exposure tir Test atmosp Method: OE GLP: yes	here: dust/mist CD Test Guideline 436 : The component/mixture is moderately toxic afte
Acute	dermal toxicity	Method: OE GLP: yes	nale and female): > 2,000 mg/kg CD Test Guideline 402 : The substance or mixture has no acute dermal
<u>Comp</u>	oonents:		
tert-B	Butyl perbenzoate:		
Acute	oral toxicity	Method: OE GLP: yes	emale): > 2,000 mg/kg CD Test Guideline 423 : The substance or mixture has no acute oral to>
Acute	inhalation toxicity	Exposure tir Test atmosp Method: OE GLP: yes	here: dust/mist CD Test Guideline 436 : The component/mixture is moderately toxic afte
Acute	dermal toxicity		nale and female): > 2,000 mg/kg CD Test Guideline 402



	Revision Date: 25.02.2025		DS Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
			Assessment: The toxicity	substance or mixture has no acute dermal
	rrosion/irritation skin irritation.			
Product	<u>:</u>			
Species Method Result		:	Rabbit OECD Test Guide Skin irritation	eline 404
Remarks	3	:	May cause skin ir	ritation in susceptible persons.
<u>Compor</u>	nents:			
tert-But	yl perbenzoate:			
Species Method Result		:	Rabbit OECD Test Guide Skin irritation	eline 404
	eye damage/eye irr			e not met.
Product Species Result Method	<u>:</u>	:	Rabbit No eye irritation OECD Test Guide	eline 405
Remarks	8	:	Vapours may cau and the skin.	se irritation to the eyes, respiratory system
<u>Compor</u>	nents:			
tert-But	yl perbenzoate:			
Species Result Method		:	Rabbit No eye irritation OECD Test Guide	eline 405
Respira	tory or skin sensitis	atio	on	
	nsitisation se an allergic skin rea	acti	on.	
	U	actil		
-	tory sensitisation sified due to lack of d	ata		
Product				
Species Method Result	<u>-</u>	:	Mouse OECD Test Guide May cause sensit	eline 429 isation by skin contact.



Version 4.0	Revision Date: 25.02.2025		DS Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
Ren	narks	:	Causes sensitisat	ion.
<u>Cor</u>	nponents:			
	-Butyl perbenzoate:			
Spe Met Res		:	Mouse OECD Test Guide May cause sensit	eline 429 isation by skin contact.
Chr	onic toxicity			
	m cell mutagenicity classified due to lack of c	data.		
	duct:			
Ger	notoxicity in vitro	:	Test Type: Bacter Method: OECD To Result: positive	rial reverse mutation assay (AMES) est Guideline 471
			Test Type: In vitro Method: OECD To Result: positive	o mammalian cell gene mutation test est Guideline 476
			Test Type: Chrom Method: OECD To Result: positive	nosome aberration test in vitro est Guideline 473
Ger	notoxicity in vivo	:	Test Type: In vivo Species: Mouse (Application Route Method: OECD To Result: negative	: Oral
<u>Cor</u>	nponents:			
tert	-Butyl perbenzoate:			
Ger	notoxicity in vitro	:	Test Type: Bacter Method: OECD To Result: positive	rial reverse mutation assay (AMES) est Guideline 471
			Test Type: In vitro Method: OECD To Result: positive	o mammalian cell gene mutation test est Guideline 476
			Test Type: Chrom Method: OECD To Result: positive	nosome aberration test in vitro est Guideline 473
Ger	notoxicity in vivo	:	Test Type: In vivo Species: Mouse (



ersion)	Revision Date: 25.02.2025	SDS Number: 6000000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
		Application R Method: OEC Result: negat	D Test Guideline 474
	nogenicity assified due to lack c	f data.	
<u>Produ</u> Rema		: No data avail	able
<u>Comp</u>	oonents:		
tert-B Rema	s utyl perbenzoate: urks	: No data avail	able
•	oductive toxicity assified due to lack c	f data.	
Produ Effect	<u>uct:</u> s on fertility	Application R Dose: 0 100, General Toxic General Toxic	male and female oute: Oral 300, 750, 1000 milligram per kilogram city - Parent: NOAEL: 300 mg/kg bw/day city F1: NOAEL: 300 mg/kg bw/day D Test Guideline 421
<u>Comp</u>	oonents:		
	s on fertility	Application R Dose: 0 100, General Toxic General Toxic	male and female oute: Oral 300, 750, 1000 milligram per kilogram city - Parent: NOAEL: 300 mg/kg bw/day city F1: NOAEL: 300 mg/kg bw/day D Test Guideline 421
	- single exposure assified due to lack c	f data.	
<u>Produ</u> Rema		: Not classified ficient for clas	due to data which are conclusive although insu sification.
<u>Comp</u>	oonents:		
tert-B Rema	s utyl perbenzoate: arks	: Not classified	due to data which are conclusive although insu



ersion 0	Revision Date: 25.02.2025	SDS Number: 6000000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
		ficient for cla	ssification
STOT	- repeated exposur	e	
Based	d on available data, th	ne classification criter	ia are not met.
Produ	uct:		
Asses	ssment		ce or mixture is not classified as specific targe nt, repeated exposure.
<u>Com</u>	oonents:		
tert-B	Butyl perbenzoate:		
Asses	ssment		ce or mixture is not classified as specific targe nt, repeated exposure.
Repe	ated dose toxicity		
Produ	uct:		
Speci	es	: Rat, male an	d female
NOAE		: 30 mg/kg	
	cation Route sure time	: Oral : 90 d	
Слро			
<u>Com</u>	oonents:		
tert-B	Butyl perbenzoate:		
Speci		: Rat, male an	d female
NOAE		: 30 mg/kg	
	cation Route sure time	: Oral : 90 d	
Aspir	ation toxicity		
Based	d on available data, th	ne classification criter	ia are not met.
Produ	uct:		
No as	piration toxicity class	ification	
Com	oonents:		
tert-B	Butyl perbenzoate:		
No as	piration toxicity class	ification	
Furth	er information		
Produ	uct:		
Domo	arks	: No data avai	lable

TBPB



Version R 4.0 2

Revision Date: 25.02.2025

SDS Number: 600000000000 Date of last issue: 31.05.2023 Date of first issue: 25.10.2016

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
Product:		
Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): 1.6 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 GLP: yes
		NOEC (Danio rerio (zebra fish)): 0.72 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 11 mg/l Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 GLP: yes
		NOEC (Daphnia magna (Water flea)): 7.7 mg/l Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae/aquatic plants	:	EC10 (Pseudokirchneriella subcapitata (green algae)): 0.44 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
		EC50 (Pseudokirchneriella subcapitata (green algae)): 0.8 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
		NOEC (Pseudokirchneriella subcapitata (green algae)): 0.72 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Toxicity to daphnia and other aquatic invertebrates (Chron-	:	EC10 (Daphnia magna (Water flea)): 0.49 mg/l End point: reproduction rate



Versi 4.0	ion	Revision Date: 25.02.2025		9S Number: 0000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016	
	ic toxicity)			Exposure time: 21 Test Type: semi-s Method: OECD Te GLP: yes	tatic test	
	Toxicity to microorganisms		:	EC50 (activated sludge): 43 mg/l Exposure time: 0.5 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 GLP: yes		
	Ecotox	icology Assessment				
	Acute a	quatic toxicity	:	Very toxic to aqua	tic life.	
	Chronic	aquatic toxicity	:	Harmful to aquation	c life with long lasting effects.	
	<u>Compo</u>	onents:				
	tert-Bu	tyl perbenzoate:				
	Toxicity	r to fish	:	LC50 (Danio rerio Exposure time: 96 Test Type: semi-s Method: OECD Te GLP: yes	tatic test	
				NOEC (Danio reri Exposure time: 96 Test Type: semi-s Method: OECD Te GLP: yes	tatic test	
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Test Type: Immob Method: OECD Te GLP: yes	bilization	
				NOEC (Daphnia n Exposure time: 48 Test Type: Immob Method: OECD Te GLP: yes	bilization	
	Toxicity plants	to algae/aquatic	:	EC10 (Pseudokiro mg/l Exposure time: 72 Test Type: static t Method: OECD Te GLP: yes	est	
				EC50 (Pseudokiro mg/l	chneriella subcapitata (green algae)): 0.8	



		GLP: yes NOEC (Pseudo				
		· ·				
		NOEC (Pseudokirchneriella subcapitata (green algae)): 0. mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes				
M-Factor icity)	r (Acute aquatic tox-	: 1				
	to daphnia and other nvertebrates (Chron- y)	End point: repr Exposure time Test Type: sen	: 21 d			
Toxicity to microorganisms		Exposure time Test Type: Res	ed sludge): 43 mg/l : 0.5 h spiration inhibition D Test Guideline 209			
	cology Assessment					
	quatic toxicity	·				
Chronic aquatic toxicity		: Harmful to aquatic life with long lasting effects.				
Persiste	ence and degradabili	ty				
<u>Product</u> Biodegra		: Result: Readily Method: OECE	y biodegradable. D Test Guideline 301D			
<u>Compor</u>	nents:					
tert-Buty	yl perbenzoate:					
Biodegra	adability	: Result: Readily Method: OECD	y biodegradable. D Test Guideline 301D			
Bioaccu	imulative potential					
<u>Compor</u>	nents:					
-	yl perbenzoate: coefficient: n-	: log Pow: 3 (25	°C)			

TBPB



Version 4.0	Revision Date: 25.02.2025	SDS Number: 600000000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016			
octar	nol/water					
	ility in soil ata available					
Othe	Other adverse effects					
Proc	luct:					
Addi matio	tional ecological infor- on	unprofessional Very toxic to aq	tal hazard cannot be excluded in the event of handling or disposal. uatic life. atic life with long lasting effects.			

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 chemi- cal 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	:	ORGANIC PEROXIDE TYPE C, LIQUID (tert-BUTYL PEROXYBENZOATE)
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 (tert-Butyl peroxybenzoate)
Class	:	5.2
Packing group	:	Not assigned by regulation
Proper shipping name Class	-	Organic peroxide type C, liquid (tert-Butyl peroxybenzoate) 5.2



Vers 4.0	ion	Revision Date: 25.02.2025	SDS Number: 600000000000		Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
Labels Packing instruction (cargo aircraft)		:	Organic Peroxide 570	s, Keep Away From Heat	
	Packing instruction (passen- ger aircraft)		:	570	
	IMDG-0	Code			
	UN number Proper shipping name		:	UN 3103	
			:	ORGANIC PERO (tert-BUTYL PER	XIDE TYPE C, LIQUID OXYBENZOATE)
	Class		:	5.2	,
	Packing group Labels		:	Not assigned by r	egulation
			:	5.2	5
	EmS C	ode	:	F-J, S-R	
	Marine pollutant		:	yes	

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG		
UN number	:	UN 3103
Proper shipping name	:	ORGANIC PEROXIDE TYPE C, LIQUID (tert-BUTYL PEROXYBENZOATE)
Class	:	5.2
Packing group	:	Not assigned by regulation
Labels	:	5.2
Hazchem Code	:	2WE
Environmentally hazardous	:	yes

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

Safety, health and environmental regulations/legislatio ture	n specific for the substance or mix-
Gefahrgruppe nach TRGS 741: lb, S+ (German regulatory Produkt unterliegt dem Sprengstoffgesetz (SprengG; Stoffg quirement)	
Standard) Instrument publication to check for s	nber allocated (Please use the original specific uses, specific conditions or ht apply for this chemical)
Prohibition/Licensing Requirements :	There is no applicable prohibition, authorisation and restricted use requirements, including for carcino- gens referred to in Schedule 10 of the model WHS Act and Regula-

tions.



Version 4.0	Revision Date: 25.02.2025		Number: 00000000	Date of last issue: 31.05.2023 Date of first issue: 25.10.2016
	• •		•	the following inventories:
	(TW) A (US)			, or in compliance with the inventory sted as active on the TSCA inventory
AIIC (AU) : DSL (CA) :				, or in compliance with the inventory of this product are on the Canadian DSL
ENC	S (JP)	: 0	On the inventory	, or in compliance with the inventory
ISHL KECI	(JP) (KR)			, or in compliance with the inventory , or in compliance with the inventory
	S (PH) C (CN)			, or in compliance with the inventory
TECI	. ,		-	, or in compliance with the inventory

SECTION 16: ANY OTHER RELEVANT INFORMATION

Further information

Revision Date	:	25.02.2025
Other information	:	This safety datasheet only contains information relating to safety and does not replace any product information or prod- uct specification. These safety instructions also apply to empty packaging which may still contain product residues. The hazards on the label also apply to residues in the con- tainer.
Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/
Date format	:	dd.mm.yyyy

Full text of other abbreviations

AIIC - 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;

TBPB



Version	Revision Date:	SDS Number:	Date of last issue: 31.05.2023
4.0	25.02.2025	60000000000	Date of first issue: 25.10.2016

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 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; 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.

AU / EN