SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

PERKADOX GB-50X

Versio 5.4	n Revision Date: 2023/06/08	CN	/ EN	Date of last issue: 2023/05/09 Date of first issue: 2018/04/19			
	1. PRODUCT AND COMPANY IDENTIFICATION						
Р	Product name		PERKADOX GB-	50X			
Μ	lanufacturer or supplier's d	etai	ls				
С	Company		Nouryon Functional Chemicals B.V. Haaksbergweg 88 NL 1101 BZ Amsterdam Netherlands				
A	ddress	:	Haaksbergweg 8 Amsterdam 110				
Т	elephone	:	+31889840367				
E	mergency telephone number	:	CA-CANUTEC:1 学事故应急咨询电 Nouryon Emerge	06 79211, US-CHEMTREC:1-800-424-9300, -613-996-6666, JP: +81 (836) 74 8810, CN: 化 也话:+86 532 8388 9090-: ncy Response Centre: +31 570 679211 tion Centre of Chemicals (NRCC): +86 532			
E	-mail address	:	polymer.emeia@	nouryon.com			
	ecommended use of the ch ecommended use	nemi :	ical and restrictic Curing agent	ons on use			

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	: powder
Colour	: white
Odour	: Faint.
Heating may cause a f toxic to aquatic life with	e. May cause an allergic skin reaction. Causes serious eye irritation. Very long lasting effects.

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	Classification nic peroxides	: Type D	
0	us eye damage/eye	: Category 24	A
Skin	sensitisation	: Category 1	
Short haza	t-term (acute) aquatic rd	: Category 1	
Long haza	-term (chronic) aquatic rd	: Category 1	
	label elements ard pictograms		
Signa	al word	: Danger	
Haza	rd statements	H317 May c H319 Cause	ng may cause a fire. ause an allergic skin reaction. es serious eye irritation. oxic to aquatic life with long lasting effects.
Preca	autionary statements	No smoking P220 Keep/ P234 Keep P235 Keep P261 Avoid P264 Wash P272 Conta the workplac P273 Avoid P280 Wear Response:	away from heat/ sparks/ open flames/ hot surfaces. Store away from clothing/ combustible materials. only in original container. cool. breathing dust. skin thoroughly after handling. minated work clothing should not be allowed out of

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

P391 Collect spillage.

Storage:

P410 Protect from sunlight. P420 Store away from other materials.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Physical and chemical hazards

Heating may cause a fire.

Health hazards

Causes serious eye irritation. May cause an allergic skin reaction.

Environmental hazards

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Other hazards which do not result in classification

Dust can form an explosive mixture in air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Ethylene glycol dibenzoate	94-49-5	>= 47 -<= 51
Dibenzoyl peroxide	94-36-0	>= 48 -<= 52

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4. FIRST A	AID MEASURES		
Gener	ral advice	Consult a	of dangerous area. physician. safety data sheet to the doctor in attendance.
lf inha	led	Keep pati	to fresh air. ent warm and at rest. se and mouth with water.
In cas	e of skin contact	Wash the	contaminated clothing and shoes immediately. skin immediately with soap and water. ation persists, call a physician.
In cas	e of eye contact	Remove o Protect u Keep eye	h plenty of water. contact lenses. nharmed eye. wide open while rinsing. edical attention.
lf swa	llowed	Never giv	buth with water and drink afterwards plenty of water. The anything by mouth to an unconscious person. The addical attention.
	mportant symptoms ffects, both acute and ed	as shown are know May caus	otoms and effects are as expected from the hazards in section 2. No specific product related symptoms n. e an allergic skin reaction. erious eye irritation.
Notes	to physician	: Treat syn	nptomatically.
6. FIREFIG	GHTING MEASURES		
Suitab	ble extinguishing media	: Use wate carbon di	r spray, alcohol-resistant foam, dry chemical or oxide.
Unsui media	table extinguishing I	: High volu	me water jet
Specil firefigl	fic hazards during hting	Supports	J: reignition may occur. combustion. e a solid water stream as it may scatter and spread

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			firefighters. Do not allow run-o courses. Risks of ignition fo explosions shall b dust, e.g. on floors	be ineffective unless used by experienced off from fire fighting to enter drains or water ollowed by flame propagation or secondary e prevented by avoiding accumulation of s and ledges. position products formed under fire
-	lazardous combustion products	:	Fire will produce s products (see sec	moke containing hazardous combustion tion 10).
	Specific extinguishing nethods	:	Collect contamina must not be disch Fire residues and	o cool unopened containers. ted fire extinguishing water separately. This arged into drains. contaminated fire extinguishing water must accordance with local regulations.
	Special protective equipment or firefighters	:	In the event of fire	e, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Wear respiratory protection. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition.
Environmental precautions	:	Prevent product from entering drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	:	Keep wetted with water. Confinement must be avoided. Pick up and arrange disposal without creating dust. Collect in plastic container for disposal as hazardous waste. Never return spills in original containers for re-use.
Prevention of secondary hazards	:	Evacuate personnel to safe areas. Only qualified personnel equipped with suitable protective

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equipment may intervene. Prevent unauthorised persons entering the zone.

7. HANDLING AND STORAGE Handling Advice on protection against : Use explosion protected equipment. Provide appropriate exhaust ventilation at places where dust fire and explosion is formed. Keep away from sources of ignition - No smoking. No sparking tools should be used. Keep away from reducing agents (e.g. amines), acids, alkalies and heavy metal compounds (e.g. accelerators, driers, metal soaps). Do not cut or weld on or near this container even when empty. Keep away from combustible material. Advice on safe handling For personal protection see section 8. Avoid formation of respirable particles. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Smoking, eating and drinking should be prohibited in the application area. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations. Avoidance of contact Contact with the following incompatible materials will result in hazardous decomposition: Acids and bases Iron Copper **Reducing agents** Heavy metals Rust Do not mix with peroxide accelerators, unless under controlled processing. Use only stainless steel 316, PP, polyethylene or glass-lined equipment. For gueries regarding the suitability of other materials please

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		contact the s	supplier.
Stora	ge		
Conditions for safe storage		the technolo Store at roor Keep only in	
	er information on ge stability	: Do not allow Maximum st	r to dry out. orage temperature is for quality only.
	num storage erature:	: 25 °C	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Dust

4 mg/m3 Value type (Form of exposure): TWA (Total dust) Basis: CN OEL

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Dibenzoyl peroxide	94-36-0	PC-TWA	5 mg/m3	CN OEL
		TWA	5 mg/m3	ACGIH

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Benzoic acid	65-85-0	TWA (Inhalable fraction and vapor)	0.5 mg/m3	ACGIH

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Benzene		71-43-2	PC-TWA	6 mg/m3	CN OEL		
		Further inform	ation: G1 - Carc	inogenic to humans,	Skin		
			PC-STEL	10 mg/m3	CN OEL		
		Further inform	ation: G1 - Carc	inogenic to humans,	Skin		
			TWA	0.5 ppm	ACGIH		
			STEL	2.5 ppm	ACGIH		
Carbon dioxide		124-38-9	PC-TWA	9,000 mg/m3	CN OEL		
			PC-STEL	18,000 mg/m3	CN OEL		
			TWA	5,000 ppm	ACGIH		
			STEL	30,000 ppm	ACGIH		
Engineering measures		 Explosion proof ventilation recommended. Provide appropriate exhaust ventilation at places where du is formed. Ensure that eyewash stations and safety showers are close to the workstation location. 					
Personal protective equipr				/			
Respiratory protection	:	Half mask with a particle filter P2 (EN 143)					
		Half mask wit	h a particle filter	P2 (EN 143)			
Eye/face protection	:	Tightly fitting safety goggles					
Skin and body protection	:	Protective sui	t				
Hand protection Material	:	Neoprene					
Material	:	Nitrile rubber					
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. Wash contaminated clothing before re-use.					

9. PHYSICAL AND CHEMICAL PROPERTIES

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Арре	earance	:	powder	
Colo	ur	:	white	
Odou	ır	:	Faint.	
Odou	ur Threshold	:	No data available	
рН		:	Not applicable	
Melti	ng point	:	Decomposes bef	ore melting.
Boilir	ng point/boiling range	:	Decomposes bel	ow the boiling point.
Flash	n point	:	Above the SADT	value
Evap	ooration rate	:	No data available	,
Flam	mability (solid, gas)	:		stible dust concentrations in air. position products may be flammable.
	er explosion limit / Upper nability limit	:	No data available	
	er explosion limit / Lower nability limit	:	No data available	
Vapo	our pressure	:	Not applicable	
Relat	tive vapour density	:	Not applicable	
Relat	tive density	:	No data available	
Bulk	density	:	640 kg/m3 (20 °C	;)
	bility(ies) /ater solubility	:	insoluble (20 °C)	
S	olubility in other solvents	:	No data available	

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	Partition octanol	n coefficient: n- /water	:	No data available	
	Auto-igi	nition temperature	:	520 °C Method: Auto-ign 20-2 G-G oven	ition of a dust cloud according to EN 80079-
	Decom	position temperature	:	lowest temperatu may occur with a transport. A dang reaction and, und can be caused by	elerating decomposition temperature) is the re at which self accelerating decomposition substance in the packaging as used in erous self-accelerating decomposition ler certain circumstances, explosion or fire thermal decomposition at and above the ith incompatible substances can cause elow the SADT.
		celerating position temperature	:	55 °C	
	Viscosit Visc	ty osity, dynamic	:	No data available	
	Visc	osity, kinematic	:	Not applicable	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	Not classified as	oxidising.
	Dust de	flagration index (Kst)	:	426 m.b_/s	
	Dust ex	plosion class	:	St3	
	Minimu	m ignition energy	:	1.2 mJ	
	Active C	Dxygen Content	:	3.3 %	
	Organic	e peroxides	:	48 - 52 %	

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10. STABILITY AND REACTIVITY		
Reactivity	:	Stable under normal conditions.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Dust may form explosive mixture in air.
Conditions to avoid	:	Do not allow to dry out. Confinement must be avoided. Heat, flames and sparks.
Incompatible materials	:	Contact with the following incompatible materials will result in hazardous decomposition: Acids and bases Iron Copper Reducing agents Heavy metals Rust Do not mix with peroxide accelerators, unless under controlled processing. Use only stainless steel 316, PP, polyethylene or glass-lined equipment. For queries regarding the suitability of other materials please contact the supplier.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.
Hazardous decomposition products	:	Carbon oxides Benzoic acid Benzene Carbon dioxide
Thermal decomposition	:	SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause decomposition below the SADT.

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Self-Accelerating	:	55 °C
decomposition temperature		
(SADT)		

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

Ethylene glycol dibenzoate: Acute oral toxicity	:	LD50 (Rat, female): > 2,000 mg/kg Method: OECD Test Guideline 423 GLP: yes Assessment: The substance or mixture has no acute oral toxicity
Dibenzoyl peroxide: Acute oral toxicity	:	LD50 (Mouse, male and female): > 2,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
	:	LD50 (Rat, male): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat, male): > 24.3 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

Skin corrosion/irritation

Not classified based on available information.

Components:

Ethylene glycol dibenzoate:

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

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Result

GLP

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	Result GLP		:	No skin irritation yes	
	Dibenzo Species Exposu Method Result	re time		Rabbit 4 h OECD Test Guide No skin irritation	line 404
		s eye damage/eye irri serious eye irritation.	tatio	on	
	<u>Compo</u>	nents:			
	Ethyler Species Result Exposu Method GLP	re time	•••••••••••••••••••••••••••••••••••••••	Rabbit No eye irritation 1 h OECD Test Guide yes	line 405
	Dibenz Species Result	oyl peroxide:	:	Rabbit Irritation to eyes, r	eversing within 7 days
	Respira	atory or skin sensitisa	atio	n	
	Skin se	nsitisation use an allergic skin rea			
	-	atory sensitisation ssified based on availa	ble i	information.	
	<u>Compo</u>	nents:			
	Test Ty	re routes		Local lymph node Dermal Mouse OECD Test Guide	

Not a skin sensitizer.

:

: yes

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Dibenzoyl peroxide:	
Species Assessment Method	 Guinea pig May cause sensitisation by skin contact. OECD Test Guideline 406
Test Type	: Local lymph node assay (LLNA)
Species	: Mouse
Assessment	: The product is a skin sensitiser, sub-category 1A.
Method	: OECD Test Guideline 429

Germ cell mutagenicity

Not classified based on available information.

Components:

Ethylene glycol dibenzoate:		
Genotoxicity in vitro	:	Test Type: reverse mutation assay Test system: Bacteria Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: yes
	:	Test Type: Chromosome aberration test in vitro Test system: Human lymphocytes Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative GLP: yes
	:	Test Type: In vitro gene mutation study in mammalian cells Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Result: negative GLP: yes
Genotoxicity in vivo	:	Species: Mouse (male) Cell type: Bone marrow Application Route: Oral Dose: 2000 mg/kg total Method: OECD Test Guideline 474 Result: negative

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ersion 4	Revision Date: 2023/06/08	CN	/ EN Date of last issue: 2023/05/09 Date of first issue: 2018/04/19
			GLP: yes
	cell mutagenicity - sment	:	Based on available data, the classification criteria are not met.
Diben	zoyl peroxide:		
	oxicity in vitro		Test Type: In vitro gene mutation study in mammalian cells Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: yes
Genot	oxicity in vivo		Test Type: Micronucleus test Species: Mouse (male) Cell type: Bone marrow Application Route: Intraperitoneal Method: OECD Test Guideline 474 Result: negative GLP: yes
	cell mutagenicity - sment	:	Not mutagenic.
	nogenicity assified based on ava	ilable ir	nformation.
<u>Comp</u>	onents:		
Carcir	ene glycol dibenzoat nogenicity - sment		Based on available data, the classification criteria are not met.
Diben	zoyl peroxide:		
Rema			Not classified due to data which are conclusive although insufficient for classification.
	nogenicity - sment	:	Not carcinogenic.

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Reproductive toxicity

Not classified based on available information.

Components:

Ethylene glycol dibenzoate: Effects on fertility Test Type: reproductive and developmental toxicity study Species: Rat, male and female Application Route: Oral Dose: 100, 300, 1000 mg/kg bw/day Frequency of Treatment: 1 daily General Toxicity - Parent: NOAEL: 300 mg/kg bw/day General Toxicity F1: NOAEL: 300 mg/kg bw/day Method: OECD Test Guideline 422 Result: Animal testing did not show any effects on fertility. GLP: yes Effects on foetal Species: Rat, male and female development Application Route: Oral General Toxicity Maternal: NOAEL: 300 mg/kg bw/day Developmental Toxicity: NOAEL: 300 mg/kg bw/day Method: OECD Test Guideline 422 Result: No effects on fertility. No effects on reproduction parameters. Some evidence of adverse effects on development, based on animal experiments. GLP: yes Reproductive toxicity -Based on available data, the classification criteria are not met. • Assessment Dibenzoyl peroxide: Effects on fertility Test Type: reproductive and developmental toxicity study Species: Rat, male and female Application Route: Oral General Toxicity F1: NOAEL: 500 mg/kg bw/day Method: OECD Test Guideline 422 GLP: yes Effects on foetal Species: Rat : Application Route: Oral development General Toxicity Maternal: NOAEL: 300 mg/kg bw/day Embryo-foetal toxicity: NOAEL: 300 mg/kg bw/day Method: OECD Test Guideline 414

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ersion 1	Revision Date: 2023/06/08	CN / EN	Date of last issue: 2023/05/09 Date of first issue: 2018/04/19
		GLP: yes	
	oductive toxicity - ssment	or on deve	ce of adverse effects on sexual function and fertili elopment, based on animal experiments. ow teratogenic effects in animal experiments.
	Γ - single exposure lassified based on ava	ailable information	
Com	ponents:		
Expo	nzoyl peroxide: sure routes ssment		ance or mixture is not classified as specific target cant, single exposure.
	Γ - repeated exposur lassified based on ava		
Com	ponents:		
Expo	nzoyl peroxide: sure routes ssment	: Ingestion	ance or mixture is not classified as specific target
ASSE	ssment		cant, repeated exposure.
	ated dose toxicity		
Repe			
Repe <u>Com</u>	ated dose toxicity	organ toxic	

Aspiration toxicity

Not classified based on available information.

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Components:

Dibenzoyl peroxide:

No aspiration toxicity classification

Further information

Product:

Remarks	:	No further data available.
Remarks	:	No further data available.

12. ECOLOGICAL INFORMATION

Components:

Ethylene glycol dibenzoate:

Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): > 0.434 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes Remarks: No toxicity at the limit of solubility
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 2.4 mg/l End point: Immobilization Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes Remarks: No toxicity at the limit of solubility NOEC (Daphnia magna (Water flea)): 2.4 mg/l End point: Immobilization Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes Remarks: No toxicity at the limit of solubility

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	Toxicity plants	to algae/aquatic	:	mg/l Exposure time: 72 Test Type: static Method: OECD T GLP: yes	test
				NOEC (Pseudokii mg/I Exposure time: 72 Test Type: static Method: OECD T GLP: yes	test
	Toxicity toxicity)	to fish (Chronic	:	NOEC (Danio reri End point: mortali Exposure time: 34 Test Type: semi-s Method: OECD T GLP: yes	4 d static test
	aquatic	to daphnia and other invertebrates c toxicity)	:	EC10 (Daphnia m End point: reprod Exposure time: 2 ⁻ Test Type: semi-s Method: OECD T GLP: yes	I d static test
				NOEC (Daphnia r End point: reprod Exposure time: 2 Test Type: semi-s Method: OECD T GLP: yes	l d static test
	Toxicity	to microorganisms	:	EC50 (activated s Exposure time: 3 Test Type: static t Method: OECD T GLP: yes	test

Ecotoxicology Assessment

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	Chronic	aquatic toxicity	:	Toxic to aquation	c life with long lasting effects.
	Dibenz	oyl peroxide:			
	Toxicity		:	Exposure time: Test Type: sen	
		to daphnia and other invertebrates	:	Exposure time: Test Type: stat	
	Toxicity plants	to algae/aquatic	:	mg/l Exposure time: Test Type: stat	
	M-Facto toxicity)	or (Acute aquatic	:	10	
	aquatic	to daphnia and other invertebrates c toxicity)	:	End point: repr Exposure time: Test Type: sem Analytical mon	21 d ni-static test
	M-Facto toxicity)	or (Chronic aquatic	:	10	
	Toxicity	to microorganisms	:	Exposure time: Test Type: Res	d sludge): 35 mg/l 0.5 h piration inhibition 9 Test Guideline 209

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Persisten	ce and degradabil	ity		
Compone	ents:			
Ethylene	glycol dibenzoate:	:		
Biodegrac	lability	:	Biodegrad Exposure	adily biodegradable. ation: 89.7 % time: 28 d ECD Test Guideline 301F
Dibenzoy	l peroxide:			
Biodegrad	lability	:	Inoculum: Concentra Result: Re Testing pe Exposure Kinetic: 7 d: 58 % 15 d: 63 % 21 d: 71 % 28 d: 71 %	time: 28 d % %
Bioaccun	nulative potential			
Compone	ents:			
•	glycol dibenzoate : oefficient: n- ater	:		.31 (25 °C) alculation method
Dibenzoy	l peroxide:			
-	oefficient: n-	:	pH: 7.02	.2 (20 °C) ECD Test Guideline 117

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	bility in soil data available			
Oth	ner adverse effects			
Ade	oduct: ditional ecological ormation	:		hazard cannot be excluded in the event of ndling or disposal.
<u>Co</u>	mponents:			
Re	Tylene glycol dibenzoate: sults of PBT and vPvB sessment	:	Not classified as F	PBT or vPvB
Re	Denzoyl peroxide: sults of PBT and vPvB sessment	:	Not classified as F	PBT or vPvB
13. DISPOSAL CONSIDERATIONS				
Die	sposal methods			
	aste from residues	:	courses or the soi Do not contamina chemical or used	te ponds, waterways or ditches with
Co	ntaminated packaging	:		

14. TRANSPORT INFORMATION

International Regulations

Follow all warnings even after the container is emptied.

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Class

Labels

Packing group

Version 5.4	Revision Date: 2023/06/08	CN / EN	Date of last issue: 2023/05/09 Date of first issue: 2018/04/19
UN n Prop	TDG number er shipping name		C PEROXIDE TYPE D, SOLID byl peroxide)
Class Pack Labe	ing group	: 5.2 : Not assiç : 5.2	ned by regulation
UN/II	A-DGR D No. er shipping name		peroxide type D, solid byl peroxide)
Labe Pack aircra	ing group Is ing instruction (cargo aft)	: 5.2 : Not assig : Organic : 570	ned by regulation Peroxides, Keep Away From Heat
(pass	ing instruction senger aircraft) ronmentally hazardous	: 570 : yes	
UN n	G-Code number er shipping name		C PEROXIDE TYPE D, SOLID yl peroxide)
Labe EmS	ing group	: 5.2	ned by regulation
	sport in bulk according	-	of MARPOL 73/78 and the IBC Code
	onal Regulations		
UN n	6 944/12268 number er shipping name		C PEROXIDE TYPE D, SOLID byl peroxide)
01	_		· / /

Not assigned by regulation 5.2

: 5.2

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519

PERKADOX GB-50X

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Special precautions for user

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

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

Regulations on Safety Management of Hazardous Chemicals

Identification of Major Hazard Installations for Hazardous Chemicals (GB 18218)					
No. / Code	Chemical name / Category	Threshold quantity			
W7.2	Organic peroxides	50 t			

Measures on the Environmental Administration of New Chemical Substances Registration

			•
Registration/Notification number	:	01-2120759933-41-0000	
		01-2120759933-41-0001	

Downstream users need to comply with the conditions of safe use of the chemical, understand the environmental and health hazard and risk management measures identified on the SDS as well as the local/national regulations concerning the chemical.

Yangtze River Protection Law

This product does not contain any dangerous chemicals prohibited for inland river transport.

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

TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	All substances listed as active on the TSCA inventory
AIIC	:	On the inventory, or in compliance with the inventory
DSL	:	This product contains one or several components that are not on the Canadian DSL nor NDSL.
		Ethylene glycol dibenzoate
ENCS	:	On the inventory, or in compliance with the inventory

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ISHL		: On t	he inventory, or in compliance with the inventory
KECI		: Not	n compliance with the inventory
PICCS	3	: Not	n compliance with the inventory
IECSC		: Not	n compliance with the inventory
NZIoC		: On t	he inventory, or in compliance with the inventory
TECI		: Not	n compliance with the inventory
16. OTHER			
Revisio	on Date	: 2023	8/06/08
Furthe	er information		
Other i	information	sect	data sheet contains changes from the previous version in on(s): dling and storage
Date fo	ormat	: уууу	/mm/dd
Full te	ext of other abbrevia	tions	
ACGI⊢ CN OE		: Occ	. ACGIH Threshold Limit Values (TLV) upational exposure limits for hazardous agents in the place - Chemical hazardous agents.
ACGIH CN OE CN OE CN OE	H / TWA H / STEL EL / TWA EL / PC-TWA EL / PC-STEL Australian Inventory	: Shoi : Time : Perr : Perr	ur, time-weighted average t-term exposure limit e weighted average hissible concentration - time weighted average hissible concentration - short term exposure limit al Chemicals; ANTT - National Agency for Transport by

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

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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

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.

CN / EN

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