

SAFETY DATA SHEET

according to the Global Harmonized System

PERKADOX BC-FF SOLID (IBC)

Version 1 Revision Date 04		25/2015	Print	Date 06/25/2015	REG_NA / Z8	
1. IDENTIFIC	ATION OF THE SUB	STANCE/MIXT	URE AN	D OF THE COMPANY/UNDER	TAKING	
Product Trade na	Information ame	: PERKADO	DX BC-FF	SOLID (IBC)		
Use of th Substan	ne ce/Mixture	: Specific us	se(s):	Cross-linking agent		
Compan	у	: Akzo Nobe 525 West US 60607 USA	Van Bure			
Telephor Telefax E-mail a Emerger		: AkzoNobe	7188 /Affairs@a I: +31 57	akzonobel.com 06 79211 CHEMTREC - USA: CANADA: 1-613-996-6666	1-800-424-	

2. HAZARDS IDENTIFICATION

GHS Classification

Organic peroxides, Type F Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2B Acute aquatic toxicity, Category 2 Chronic aquatic toxicity, Category 2

GHS-Labeling

Symbol(s)			
Signal Word	: Warning		
Hazard Statements	: H242 H315 +	Heating may cause a fire. H320 Causes skin and eye irritation.	

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		H411	Toxic to aquatic life wit effects.	h long lasting
Precauti	onary Statements	: Prevention:		
		P210	Keep away from heat, sparks, open flames ar sources. No smoking.	
		P220	Keep away from dirt, ru particular.	ust, chemicals in
		P234	Keep only in original pa	ackaging.
		P235	Keep cool.	5 5
		P273	Avoid release to the er	nvironment.
		P280	Wear protective gloves face protection.	/ eye protection/

Vers	inn	1
1010	1011	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous	ing	gre	d	ients

Chemical Name	CAS-No.	GHS Classification	Concentration[%]
Dicumyl peroxide	80-43-3	Org. Perox. F; H242 Skin Corr./Irrit. 2; H315 Eye Dam./Irrit. 2B; H320 Aquatic Acute 2; H401 Aquatic Chronic 2; H411	>= 90 - <= 100

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES	
General advice	: Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.
Inhalation	: Consult a physician after significant exposure.
Skin contact	 Take off contaminated clothing and shoes immediately. Wash the skin immediately with soap and water. If skin irritation persists, call a physician.
Eye contact	 Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Obtain medical attention.
Ingestion	: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Obtain medical attention.
Notes to physician	
Symptoms	: The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.
Treatment	: Treat symptomatically.
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: High volume water jet

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fighting /	hazards during fire Specific hazards form the chemical	Suppor Do not fire. Water s firefight Heating	may cause decomposition with releat allow run-off from fire fighting to ente	by experienced ase of toxic fumes.
Combust	tion products	: No haz	ardous combustion products are know	wn
Special p for fire-fig	protective equipment ghters	: In the e	event of fire, wear self-contained brea	thing apparatus.
Further i	nformation	Collect must no Fire res	ter spray to cool unopened container contaminated fire extinguishing wate of be discharged into drains. idues and contaminated fire extingui- osed of in accordance with local regu	r separately. This shing water must

See also Section 9. Physical and chemical properties: Safety data

6. ACCIDENTAL RELEASE MEAS	SURES
Personal precautions	: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.
Environmental precautions	 Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up / Methods for containment	 Keep wetted with water. Soak up with inert absorbent material and dispose of as hazardous waste. Confinement must be avoided. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Never return spills in original containers for re-use.
Additional advice	: For personal protection see section 8.
7. HANDLING AND STORAGE	
Handling	
Advice on safe handling	 For personal protection see section 8. Avoid formation of respirable particles. 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

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		regulation Avoid co	ns. ntact with skin, eyes and clothing.	
	dvice on protection against re and explosion	Provide a is formed Keep aw No spark Keep aw and heav soaps). Do not c	osion protected equipment. appropriate exhaust ventilation at p ay from sources of ignition - No sm ing tools should be used. ay from reducing agents (e.g. amin y metal compounds (e.g. accelerat ut or weld on or near this container ay from combustible material.	noking. es), acids, alkalies tors, driers, metal
Te	emperature class		nmended to use electrical equipme . However, autoignition can never l	•
R	torage lequirements for storage reas and containers	the techr Keep onl	ing. I installations / working materials m ological safety standards. y in original container. ay from other materials.	ust comply with
	laximum storage emperature:	: 35 °C (9	5 °F)	
0	ther data	: No deco	mposition if stored and applied as c	lirected.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methane	74-82-8, 74- 82-8	TWA		0.1 mg/m3	1989-01-19	OSHA PO	
	Further information	:	Form	naldehyde			
	Further information	:		Appendix F: Minimal hyxia	Oxygen Content		
		TWA		0.1 mg/m3	2013-10-08	NIOSH REL	
	Further information	:	Арр	in the presence of for endices A & C (Aldeh		ldehyde, or malon	aldehyde. See
Acetophenone,	98-86-2, 98-	TWA		naldehyde 10 ppm	2013-03-01	ACGIH	
Acetophenone	86-2	1007			2010 00 01		
	Further information	:	Uppe	ral Nervous System i er Respiratory Tract ir nancy loss			
		TWA		10 ppm	2008-01-01	US WEEL	

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Explosion	ring Controls n proof ventilation re nat eyewash station		owers are close	e to the worksta	tion location.	
	I protective equip ory protection		accordance w	rith good indust	rial hygiene ar	nd safety
Hand pro	otection	: butyl-rubb	ber			
		Neoprene				
Eye prote	ection	: Tightly fit	ing safety gog	gles		
Skin and	body protection	: Protective	e suit			

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 bands before breaks and at the end of workday.
	Wash hands before breaks and at the end of workday.

General advice	: Prevent product from entering drains.
	If the product contaminates rivers and lakes or drains inform
	respective authorities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance		
Form	: solid	
Color	: white	
Odor	: faint	
Odor Threshold	: No data available	
Safety data		
рН	: neutral	
Melting point	: 39.5 °C	
Boiling point/boiling range	: Decomposes below the boiling point.	
Flash point	: Not applicable	
Evaporation rate	: Not applicable	

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Flammability	′ (solid, gas)	: Dec	omposition products may be flammable.	
Lower explo	sion limit	: No c	data available	
Upper explo	sion limit	: No c	data available	
Vapor press	ure	: 0.3	nPa at 101 °C	
Relative vap	or density	: Not	applicable	
Relative den	sity	: 1.1 a	at 20 °C	
Bulk density		: 660	kg/m3 at 20 °C	
Water solubi	lity	: at 20 inso	0 °C Iuble	
Solubility in	other solvents	: Solu	ble in most organic solvents.	
Partition coe octanol/wate		: log l at 2	Pow: 5.6 5 ℃	
Autoignition	temperature	: Test	method not applicable	
Decompositi	on temperature	lowe may trans reac can SAD	OT - (Self accelerating decomposition temper est temperature at which self accelerating de occur with a substance in the packaging as sport. A dangerous self-accelerating decomp tion and, under certain circumstances, explo be caused by thermal decomposition at and OT. Contact with incompatible substances ca opposition below the SADT.	composition used in position psion or fire above the
Self-Accelera decompositio (SADT)	ating on temperature	: 70 °	С	
Viscosity, dy	vnamic	: Not	applicable	
Viscosity, ki	nematic	: Not	applicable	
Explosive pr	operties	: Not	explosive	
Oxidizing pro	operties	: Not	classified as oxidizing.	
Active Oxyg	en Content	: 5.86	%	
Organic perc	oxides	: 99 %	6	

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

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10. STABIL	ITY AND REACTIVITY			
Conditi	ons to avoid	: A high degree Heat, flames For safety, st 35 °C (95 °F)		ed.
Materia	als to avoid	decompositio For queries re contact the s Do not mix w processing.	egarding the suitability of other i upplier. th peroxide accelerators, unless nless steel 316, PP, polyethylen ses	materials please s under controlled
Hazard product	lous decomposition ts	: Methane Acetophenon 2-Phenylisopi		
Therma	al decomposition	lowest tempe may occur wi transport. A c reaction and, can be cause SADT. Conta	accelerating decomposition terr rature at which self accelerating th a substance in the packaging langerous self-accelerating deco under certain circumstances, e d by thermal decomposition at a ct with incompatible substances n below the SADT.	decomposition as used in omposition xplosion or fire and above the
Reactiv	vity	: Stable under	normal conditions.	
Chemic	cal stability	: Stable under	recommended storage condition	ns.
Hazard	lous reactions	: No dangerous	reaction known under conditio	ons of normal use.
	ccelerating position temperature)	: 70 °C (158 °F	-)	

11. TOXICOLOGICAL INFORMATION

Product information:

Hazard Summary

Inhalation

: Thermal decomposition can lead to release of irritating gases

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	and vapors	S.	
Skin		kin irritation.	
Eyes		erious eye irritation.	
Ingestion	: May cause	e irritation of the mucous membra	anes.
Toxicology Assess Further information		data available.	
Toxicology data fo	or the ingredients:		
Test result			
Component: Dicur Skin irritation		itating to skin.	
Eye irritation	: Result: sli	ght irritation	
Sensitization	: Result: No	ot sensitizing.	
Germ cell mutageni Genotoxicity in vitro	 reverse m Salmonella Result: ne Method: C reverse m Escherich Result: ne In vitro ma Chinese h Result: ne Method: C In vitro ma Chinese h Result: ne 	DECD Test Guideline 471 nutation assay ia coli egative ammalian cell gene mutation test namster lung fibroblasts egative DECD Test Guideline 476 ammalian cell gene mutation test namster lung fibroblasts	

12. ECOLOGICAL INFORMATION

Product information:

Ecotoxicology Assessment Additional ecological

information

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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				Toxic to aquatic life with long lasting effects.	
	Ingredients:				
	Test result				
	Component	: Dicumyl peroxide	÷		
	Ecotoxicity Toxicity to fis		:	LC50: > 1 - 10 mg/l Exposure time: 96 h	
	Toxicity to fis toxicity)	sh (Chronic :	:	0.011 - 0.1 mg/l	
	Elimination Bioaccumula			ence and degradability) Bioconcentration factor (BCF): 1,470	
	Mobility	:		No data available	
	Biodegradabi	ility :		Result: Inherently biodegradable.	
	Further info Biochemical Demand (BC			No data available	
13. [DISPOSAL C	ONSIDERATIONS			
	Product	:	:	The product should not be allowed to enter drains, we courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Hazardous waste Dispose of contents/container in accordance with loc regulation.	1
	Contaminate	d packaging :	:	Empty remaining contents. Dispose of as unused product. Do not burn, or use a cutting torch on, the empty drun Due to the high risk of contamination recycling/recover recommended. Follow all warnings even after the container is emptie	ery is not

14. TRANSPORT INFORMATION

International Regulation

IATA-DGR

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Class Subsidiar Packing (Labels Packing i aircraft) Packing i (passeng	nipping name y risk		 UN 3110 Organic peroxide type F, solid (Dicumyl peroxide) 5.2 HEAT Not Assigned 5.2 (HEAT) 570 570 no
IMDG-Co UN numb Proper sh Class Packing o Labels EmS Coo Marine po	er hipping name group	:	 UN 3110 ORGANIC PEROXIDE TYPE F, SOLID (Dicumyl peroxide) 5.2 Not Assigned 5.2 F-J, S-R yes (Dicumyl peroxide)

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

Not applicable for product as supplied.

15. REGULATORY INFORMATION

Notification status

CH INV TSCA	 YES. On the inventory, or in compliance with the inventory YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.
DSL	: YES. All components of this product are on the Canadian DSL.
AICS	: YES. On the inventory, or in compliance with the inventory
NZIOC	: NO. On the inventory, or in compliance with the inventory
ENCS	: YES. On the inventory, or in compliance with the inventory
ISHL	: YES. On the inventory, or in compliance with the inventory
KECI	: YES. On the inventory, or in compliance with the inventory
PICCS	: YES. On the inventory, or in compliance with the inventory
IECSC	: YES. On the inventory, or in compliance with the inventory

For explanation of abbreviations, see section 16.

16. OTHER INFORMATION

Full text of H-Statements

H242 :	Heating may cause a fire.
H315 :	Causes skin irritation.
H320 :	Causes eye irritation.
H401 :	Toxic to aquatic life.
H411 :	Toxic to aquatic life with long lasting effects.

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Notification status explanation	
CH INV	Switzerland. New notified substances and declared preparations
TSCA	United States TSCA Inventory
DSL	Canadian Domestic Substances List (DSL)
AICS	Australia Inventory of Chemical Substances (AICS)
NZIoC	New Zealand. Inventory of Chemical Substances
ENCS	Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL	Japan. ISHL - Inventory of Chemical Substances
KECI	Korea. Korean Existing Chemicals Inventory (KECI)
PICCS	Philippines Inventory of Chemicals and Chemical Substances (PICCS)
IECSC	China. Inventory of Existing Chemical Substances in China (IECSC)

Further information

The information provided in this Material 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.