

SAFETY DATA SHEET

according to the Hazardous Products Regulations

PERKADOX BC-FF

Version 4.1 Revision Date: 2026/01/30 CA / EN Date of last issue: 2025/05/23
Date of first issue: 2015/04/25

SECTION 1. IDENTIFICATION

Product name : PERKADOX BC-FF
Other means of identification : No data available

Manufacturer or supplier's details

Company name of supplier : Nouryon Functional Chemicals LLC
100 Matsonford Road, Building 1, Suite 500
Radnor PA 19087
United States
:
Telephone : (800) 828-7929
Telefax : (312) 544-7188
E-mail address : polymer.amer@nouryon.com
Emergency telephone number : 24 hours:+31 57 06 79211 - CHEMTREC-USA:1-800-424-9300 - CANUTEC-CANADA:1-613-996-6666 - 化学事故应急
咨询电话：国家化学事故应急响应中心 +86 532 8388 9090

Initial Supplier Identifier
Données relatives au fournisseur

Univar Solutions Canada Ltd.

64 Arrow Road
North York, ON M9M 2L9
Telephone: 1-866-686-4827

Recommended use of the chemical and restrictions on use

Recommended use : Polymerization initiator
Cross-linking agent

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Organic peroxides : Type F
Skin irritation : Category 2
Eye irritation : Category 2B
Skin sensitisation : Sub-category 1B
Reproductive toxicity : Category 2
Long-term (chronic) aquatic hazard : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

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Hazard statements : H242 Heating may cause a fire.
H315 + H320 Causes skin and eye irritation.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234 Keep only in original packaging.
P235 Keep cool.
P240 Ground and bond container and receiving equipment.
P261 Avoid breathing dust.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
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:
P403 Store in a well-ventilated place.
P405 Store locked up.
P410 Protect from sunlight.
P420 Store separately.

Disposal:
P501 Dispose of contents/ container to an approved waste dis-

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posal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : bis(α,α-dimethylbenzyl) peroxide
CAS-No. : 80-43-3
Common Name/Synonym : bis(α,α-dimethylbenzyl) peroxide

Components

Chemical name	Common Name/Synonym	CAS-No.	Classification	Concentration (% w/w)
Dicumyl peroxide	Dicumyl peroxide	80-43-3	Org. Perox. F; H242 Skin Irrit. 2; H315 Eye Irrit. 2B; H320 Skin Sens. 1B; H317 Repr. 2; H361 Aquatic Chronic 1; H410	>= 99 - <= 100
Methanol	Methanol	67-56-1	Flam. Liq. 2; H225 Acute Tox. (Oral) 3; H301 Acute Tox. (Inhalation) 3; H331 Acute Tox. (Dermal) 3; H311 STOT SE, (Central nervous system) 1; H370	<= 0.1

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
If inhaled : Consult a physician after significant exposure.
In case of skin contact : Take off contaminated clothing and shoes immediately.

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In case of eye contact	:	Wash the skin immediately with soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before reuse. Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Obtain medical attention.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	:	The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known. Causes skin and eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. No known delayed effects given the severe acute effects.
Notes to physician	:	Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet Do not use water jet as this may spread fire.
Specific hazards during fire-fighting	:	CAUTION: reignition may occur. Supports combustion. Do not use a solid water stream as it may scatter and spread fire. Water spray may be ineffective unless used by experienced firefighters. Do not allow run-off from fire fighting to enter drains or water courses. Hazardous decomposition products formed under fire conditions.
Hazardous combustion products	:	Fire will produce smoke containing hazardous combustion products (see section 10).
Further information	:	Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.

Special protective equipment : In the event of fire, wear self-contained breathing apparatus. for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Wear respiratory protection. Ensure adequate ventilation. Remove all sources of ignition. Wear appropriate personal protective equipment, as indicated in Section 8 Evacuate personnel to safe areas. Only qualified personnel equipped with suitable protective equipment may intervene. Prevent unauthorised persons entering the zone.
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.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Use explosion protected equipment. Provide appropriate exhaust ventilation at places where dust 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	: Avoid formation of respirable particles. Do not breathe vapours/dust. 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.

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Obtain special instructions before use.
Wear appropriate personal protective equipment, as indicated in Section 8

Conditions for safe storage : Prevent unauthorized access.
No smoking.
Keep in a well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards.
Keep only in original container.
Store away from other materials.

Further information on storage stability : Maximum storage temperature is for quality only.

Maximum storage temperature: : 30 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Methanol	67-56-1	TWA	200 ppm 262 mg/m3	CA AB OEL
		STEL	250 ppm 328 mg/m3	CA AB OEL
		TWA	200 ppm	CA BC OEL
		STEL	250 ppm	CA BC OEL
		STEV	250 ppm 328 mg/m3	CA QC OEL
		TWAEV	200 ppm 262 mg/m3	CA QC OEL
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Acetophenone	98-86-2	TWA	10 ppm 49 mg/m3	CA AB OEL
		TWA	10 ppm	CA BC OEL
		TWAEV	10 ppm 49 mg/m3	CA QC OEL
		TWA	10 ppm	ACGIH

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Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentra-tion	Basis
Methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

Engineering measures : Explosion proof ventilation recommended.
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : Handle in accordance with good industrial hygiene and safety practice.

Hand protection
Material : Neoprene

Material : Nitrile rubber

Eye protection : Tightly fitting safety goggles

Skin and body protection : Protective 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 hands before breaks and at the end of workday.

Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Crystalline solid

Colour : white

Odour : Faint.

Odour Threshold : No data available

pH : Not applicable

Melting point : 39.5 °C

Boiling point/boiling range : Decomposes below the boiling point.

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Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Decomposition products may be flammable.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	0.3 hPa (101 °C)
Relative vapour density	:	Not applicable
Relative density	:	ca. 1.1 (20 °C)
Bulk density	:	660 kg/m ³ (20 °C)
Solubility(ies)		
Water solubility	:	insoluble (20 °C)
Solubility in other solvents	:	Description: Soluble in most organic solvents.
Partition coefficient: n-octanol/water	:	log Pow: 5.6 (25 °C)
Auto-ignition temperature	:	Test method not applicable
Decomposition temperature	:	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.
Self-Accelerating decomposition temperature (SADT)	:	75 °C
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive

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Oxidizing properties : Not classified as oxidising.

Active Oxygen Content : 5.86 %

Organic peroxides : 99 %

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under normal conditions.
 Chemical stability : Stable under recommended storage conditions.
 Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : A high degree of 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 : Acetophenone
 2-Phenylisopropanol
 Methane
 Carbon oxides

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.

Self-Accelerating decomposition temperature (SADT) : 75 °C

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Components:

Dicumyl peroxide:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: Not classified due to data which are conclusive although insufficient for classification.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Methanol:

Acute oral toxicity : LD50: 300 mg/kg
Method: Acute toxicity estimate

Acute inhalation toxicity : LC50: 10 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Acute toxicity estimate

Acute dermal toxicity : LD50: 1,000 mg/kg
Method: Acute toxicity estimate

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Skin corrosion/irritation

Causes skin irritation.

Components:

Dicumyl peroxide:

Result : Irritating to skin.

Methanol:

Species : Rabbit
Result : No skin irritation
Remarks : Information taken from reference works and the literature.

Serious eye damage/eye irritation

Causes eye irritation.

Components:

Dicumyl peroxide:

Result : Mild eye irritation

Methanol:

Species : Rabbit
Result : No eye irritation
Remarks : Information taken from reference works and the literature.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Components:

Dicumyl peroxide:

Test Type : KeratinoSens assay
Method : OECD Test Guideline 442D
Result : Probability or evidence of low to moderate skin sensitisation rate in humans
GLP : yes

Test Type : Human Cell Line Activation Test (h-CLAT)
Species : Humans
Method : OECD Test Guideline 442E
Result : Probability or evidence of low to moderate skin sensitisation

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GLP : rate in humans
yes

Methanol:

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitisation.
Remarks : Information taken from reference works and the literature.

Germ cell mutagenicity

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

Product:

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Components:

Dicumyl peroxide:

Genotoxicity in vitro : Test Type: reverse mutation assay
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Test Type: In vitro cytogenicity study in mammalian cells
Test system: Chinese hamster lung cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative

Test Type: In vitro mammalian cell gene mutation test
Test system: Chinese hamster lung fibroblasts
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative

Methanol:

Genotoxicity in vitro : Test Type: Ames test
Test system: Bacteria
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
Remarks: Information taken from reference works and the

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literature.

Genotoxicity in vivo : Species: Mouse (male and female)
Cell type: Bone marrow
Application Route: Intraperitoneal
Method: Mutagenicity (micronucleus test)
Result: negative
Remarks: Information taken from reference works and the literature.

Carcinogenicity

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

Product:

Carcinogenicity - Assessment : Carcinogenicity classification not possible from current data.

Components:

Methanol:

Result : Not carcinogenic on laboratory animals.
Remarks : Information taken from reference works and the literature.

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

IARC Group 2B: Possibly carcinogenic to humans
.alpha.-Methylstyrene 98-83-9

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Components:

Dicumyl peroxide:

Effects on foetal development : Species: Rat
General Toxicity Maternal: NOAEL: 150 mg/kg bw/day
Developmental Toxicity: NOAEL: 150 mg/kg bw/day
Method: OECD Test Guideline 414
Remarks: Adverse developmental effects were observed

Species: Rabbit
General Toxicity Maternal: NOAEL: 50 mg/kg bw/day

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Developmental Toxicity: NOAEL: 150 mg/kg bw/day
Method: OECD Test Guideline 414
Remarks: No significant adverse effects were reported

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

Methanol:

Effects on foetal development : Species: Rat
Application Route: Oral
General Toxicity Maternal: NOAEL: 2,054 mg/kg bw/day
Teratogenicity: LOAEL: 1,027 mg/kg bw/day
Method: OECD Test Guideline 414
Remarks: Information taken from reference works and the literature.

STOT - single exposure

Not classified due to lack of data.

Components:

Dicumyl peroxide:

Remarks : Not classified due to data which are conclusive although insufficient for classification.

Methanol:

Target Organs : Central nervous system
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 1., Causes damage to organs.

STOT - repeated exposure

Not classified due to lack of data.

Components:

Dicumyl peroxide:

Remarks : Not classified due to data which are conclusive although insufficient for classification.

Repeated dose toxicity

Components:

Dicumyl peroxide:

Species : Rat

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NOAEL : 80 mg/kg bw/day
Method : OECD Test Guideline 408

Aspiration toxicity

Not classified due to lack of data.

Further information

Product:

Remarks : Symptoms related to the physical, chemical, and toxicological characteristics:
Delayed and immediate effects and also chronic effects from short and long term exposure
As stated above in the summary of toxicological information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Dicumyl peroxide:

Toxicity to fish : LC50 (*Oryzias latipes* (Japanese medaka)): 0.469 mg/l
Exposure time: 96 h
Test Type: semi-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)): > 0.397 mg/l
Exposure time: 48 h
Test Type: semi-static test
Method: OECD Test Guideline 202
GLP: yes
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic plants : (*Pseudokirchneriella subcapitata* (green algae)): Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes
Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic toxicity) : NOEC (*Danio rerio* (zebra fish)): 0.019 mg/l
End point: mortality
Exposure time: 35 d
Test Type: flow-through test

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Method: OECD Test Guideline 210
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.117 mg/l
End point: reproduction rate
Exposure time: 21 d
Test Type: semi-static test
Method: OECD Test Guideline 211
GLP: yes

M-Factor (Chronic aquatic toxicity) : 1
Toxicity to microorganisms : NOEC (activated sludge): > 1,000 mg/l
Exposure time: 0.5 h
Test Type: static test
Method: OECD Test Guideline 209
GLP: yes

Methanol:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 15,400 mg/l
Exposure time: 96 h
Test Type: flow-through test
Remarks: Information taken from reference works and the literature.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l
Exposure time: 48 h
Method: DIN 38412
Remarks: Information taken from reference works and the literature.

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): ca. 22,000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201
Remarks: Information taken from reference works and the literature.

Toxicity to fish (Chronic toxicity) : NOEC (Oryzias latipes (Orange-red killifish)): 7,900 mg/l
Exposure time: 200 h
Remarks: Information taken from reference works and the literature.

Toxicity to microorganisms : IC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
Remarks: Information taken from reference works and the literature.

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Persistence and degradability

Components:

Dicumyl peroxide:

Biodegradability : Ready biodegradability
 Inoculum: Activated sludge, domestic, non-adapted
 Concentration: 20 mg/l
 Result: Not readily biodegradable.
 Biodegradation: 44 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301F
 GLP: yes

Methanol:

Biodegradability : Result: Readily biodegradable.

Biochemical Oxygen Demand (BOD) : 600 - 1,120 mg/g

Chemical Oxygen Demand (COD) : 1,420 mg/g

Bioaccumulative potential

Components:

Dicumyl peroxide:

Bioaccumulation : Species: Cyprinus carpio (Carp)
 Bioconcentration factor (BCF): 137 - 1,470
 Exposure time: 56 d
 Temperature: 25 °C
 Concentration: 0.015 mg/l
 Method: OECD Test Guideline 305C

Methanol:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -0.74

Mobility in soil

Components:

Methanol:

Mobility : Remarks: Under extreme circumstances, transport from earth to water may take place.

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Other adverse effects

Product:

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

Components:

Dicumyl peroxide:

Results of PBT and vPvB assessment : Not classified as PBT or vPvB

Methanol:

Results of PBT and vPvB assessment : This substance is not considered to be a PBT (Persistent, Bioaccumulation, Toxic) This substance is not considered to be vPvB (very Persistent nor very Bioaccumulating)

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	: 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. Dispose of contents/container in accordance with local regulation.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not burn, or use a cutting torch on, the empty drum. Due to the high risk of contamination recycling/recovery is not recommended. Follow all warnings even after the container is emptied.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number	: UN 3110
Proper shipping name	: ORGANIC PEROXIDE TYPE F, SOLID (Dicumyl peroxide, 99%)
Class	: 5.2
Packing group	: Not assigned by regulation
Labels	: 5.2
Environmentally hazardous	: yes

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IATA-DGR

UN/ID No.	: UN 3110
Proper shipping name	: Organic peroxide type F, solid (Dicumyl peroxide, 99%)
Class	: 5.2
Packing group	: Not assigned by regulation
Labels	: Organic Peroxides, Keep Away From Heat
Packing instruction (cargo aircraft)	: 570
Packing instruction (passenger aircraft)	: 570
Environmentally hazardous	: yes

IMDG-Code

UN number	: UN 3110
Proper shipping name	: ORGANIC PEROXIDE TYPE F, SOLID (Dicumyl peroxide, 99%, Dicumyl peroxide)
Class	: 5.2
Packing group	: Not assigned by regulation
Labels	: 5.2
EmS Code	: 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

TDG

UN number	: UN 3110
Proper shipping name	: ORGANIC PEROXIDE TYPE F, SOLID (Dicumyl peroxide, 99%)
Class	: 5.2
Packing group	: II
Labels	: 5.2
ERG Code	: 145
Marine pollutant	: yes(Dicumyl peroxide)

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.

SECTION 15. REGULATORY INFORMATION

NPRI Components	: Methanol Acetophenone Cumene
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The components of this product are reported in the following inventories:

SAFETY DATA SHEET

according to the Hazardous Products Regulations

PERKADOX BC-FF

Version 4.1	Revision Date: 2026/01/30	CA / EN	Date of last issue: 2025/05/23 Date of first issue: 2015/04/25
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	:	All components of this product are on the Canadian DSL	
ENCS	:	On the inventory, or in compliance with the inventory	
ISHL	:	On the inventory, or in compliance with the inventory	
KECI	:	On the inventory, or in compliance with the inventory	
PICCS	:	On the inventory, or in compliance with the inventory	
IECSC	:	On the inventory, or in compliance with the inventory	
NZIoC	:	Not in compliance with the inventory	
TECI	:	On the inventory, or in compliance with the inventory	

Canadian lists

No substances are subject to a Significant New Activity Notification.

No substances are subject to CEPA Section 84 Ministerial Conditions.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

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

SAFETY DATA SHEET

according to the Hazardous Products Regulations

PERKADOX BC-FF

Version	Revision Date:	CA / EN	Date of last issue: 2025/05/23
4.1	2026/01/30		Date of first issue: 2015/04/25

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; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; 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 - Organisation 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

Revision Date : 2026/01/30
Date format : yyyy-mm-dd

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

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.

CA / EN