

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

SECTION 1. IDENTIFICATION

Product name : PERODOX 42

Manufacturer or supplier's details

Company name of supplier : Shandong Do Sender Chemicals Co.,Ltd.
Room 1007, South Office Building, Jinshi International Plaza,
No. 157, Jिंगgangshan Road,Qingdao,
CN

Telephone : +86 532 8591 3578
E-mail address : msds@dosenderchem.com.cn
Emergency telephone : +86 532 8388 9090

Recommended use of the chemical and restrictions on use

Recommended use : Polymerization initiator

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards for the product as supplied

Organic peroxides : Type D
Skin sensitization : Category 1
Short-term (acute) aquatic hazard : Category 1
Long-term (chronic) aquatic hazard : Category 1

Other hazards

None known.

GHS label elements

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H242 Heating may cause a fire.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:

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 mist or vapors.

P272 Contaminated work clothing must 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.

P333 + P313 If skin irritation or rash occurs: 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.

P410 Protect from sunlight.

P420 Store separately.

Disposal:

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : tert-Butyl peroxy-3,5,5-trimethylhexanoate

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

CAS-No. : 13122-18-4
Synonyms : tert-Butyl peroxy-3,5,5-trimethylhexanoate

Components

Chemical name	CAS No./Unique ID	Classification	Concentration (% w/w)	Trade secret
tert-Butyl peroxy-3,5,5-trimethylhexanoate	13122-18-4*	Org. Perox. D; H242 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 97 - <= 100	-

* Indicates that the identifier is a CAS No.

SECTION 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.

If inhaled : If breathed in, move person into fresh air.
Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Rinse immediately with plenty of water.
If skin irritation persists, call a physician.

In case of eye contact : Rinse with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

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.
May cause an allergic skin reaction.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

PERODOX 42

Version	Revision Date:	Market/LAN./Code	Date of last issue:
4.15	04/15/2025	US/EN/500W	01/07/2025
			Date of first issue:04/25/2017

- Unsuitable extinguishing media : High volume water jet
- 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 be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear respiratory protection.
Ensure adequate ventilation.
Remove all sources of ignition.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Use personal protective equipment.
Evacuate personnel to safe areas.
Only qualified personnel equipped with suitable protective equipment may intervene.
Prevent unauthorized 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 : Soak up with inert absorbent material and dispose of as hazardous waste.
Use only inert inorganic material such as vermiculite or perlite as absorbent.

PERODOX 42

Version 4.15	Revision Date: 04/15/2025	Market/LAN./Code US/EN/500W	Date of last issue:01/07/2025 Date of first issue:04/25/2017
-----------------	------------------------------	--------------------------------	---

Keep mixture of absorbent material and spilled product wetted with water.
Confinement must be avoided.
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.
Keep away from sources of ignition - No smoking.
No sparking tools should be used.
Keep away from reducing agents (e.g. amines), acids, alkalis 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 aerosol.
Do not breathe vapors or spray mist.
Avoid contact with skin.
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.
For personal protection see section 8.

- Conditions for safe storage : 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 : If product freezes or separates, contact the manufacturer.

Maximum storage temperature is for quality only.

- Minimum storage temperature: : Avoid temperatures below:
-20 °C (-4 °F)

- Maximum storage temperature: : 25 °C (77 °F)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type	Control parame-	Basis
------------	---------	------------	-----------------	-------

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

		(Form of exposure)	ters / Permissible concentration	
tert-Butanol	75-65-0	TWA	100 ppm	ACGIH
		TWA	100 ppm 300 mg/m3	NIOSH REL
		ST	150 ppm 450 mg/m3	NIOSH REL
		TWA	100 ppm 300 mg/m3	OSHA Z-1
		TWA	100 ppm 300 mg/m3	OSHA P0
		STEL	150 ppm 450 mg/m3	OSHA P0
		TWA	100 ppm	ACGIH
Acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	250 ppm 590 mg/m3	NIOSH REL
		TWA	250 ppm	ACGIH
		TWA	1,000 ppm 2,400 mg/m3	OSHA Z-1
		STEL	500 ppm	ACGIH
		STEL	1,000 ppm 2,400 mg/m3	OSHA P0
Carbon dioxide	124-38-9	TWA	750 ppm 1,800 mg/m3	OSHA P0
		TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m3	NIOSH REL
		ST	30,000 ppm 54,000 mg/m3	NIOSH REL
		TWA	5,000 ppm 9,000 mg/m3	OSHA Z-1
		TWA	10,000 ppm 18,000 mg/m3	OSHA P0
2,2,4-Trimethylpentane	540-84-1	STEL	30,000 ppm 54,000 mg/m3	OSHA P0
		TWA	300 ppm	ACGIH

Engineering measures : Explosion proof ventilation recommended.
Effective exhaust ventilation system

Personal protective equipment

Respiratory protection : In the case of vapor or aerosol formation use a respirator with an approved filter.
Filter A

Hand protection

PERODOX 42

Version	Revision Date:	Market/LAN./Code	Date of last issue:01/07/2025
4.15	04/15/2025	US/EN/500W	Date of first issue:04/25/2017

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	:	liquid
Color	:	colorless
Odor	:	characteristic
Odor Threshold	:	No data available
pH	:	Weakly acidic
Melting point	:	≤ -4 °F / ≤ -20 °C
Boiling point/boiling range	:	Decomposes below the boiling point.
Flash point	:	Above the SADT value
Evaporation rate	:	No data available
Flammability (liquids)	:	Decomposition products may be flammable.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	0.5 hPa (138 °F / 59 °C)
Relative vapor density	:	No data available
Relative density	:	0.900 (68 °F / 20 °C)
Bulk density	:	Not applicable

PERODOX 42

Version	Revision Date:	Market/LAN./Code	Date of last issue:01/07/2025
4.15	04/15/2025	US/EN/500W	Date of first issue:04/25/2017

Solubility(ies)		
Water solubility	:	immiscible (68 °F / 20 °C)
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	log Pow: 5.16 (68 °F / 20 °C)
Autoignition 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)	:	131 °F / 55 °C
Viscosity		
Viscosity, dynamic	:	5 mPa.s (68 °F / 20 °C)
Viscosity, kinematic	:	5.56 mm ² /s (68 °F / 20 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	Not classified as oxidizing.
Active Oxygen Content	:	6.74 %
Organic peroxides	:	> 97 %

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	:	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

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

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 : tert-Butanol
Acetone
Methane
2-tert-Butoxy-2,4,4-trimethylpentane
Carbon dioxide
2,2,4-Trimethylpentane

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) : 55 °C

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Acute oral toxicity : LD50 (Rat): 12,905 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 800 mg/m³
Exposure time: 4 h
Remarks: Saturated vapor concentration

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

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

Skin corrosion/irritation

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

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Result : No skin irritation

Serious eye damage/eye irritation

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

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Result : No eye irritation

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified due to lack of data.

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Assessment : May cause sensitization by skin contact.

Germ cell mutagenicity

Not classified due to lack of data.

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Genotoxicity in vitro : Result: No evidence of genotoxic effects in vitro.

Genotoxicity in vivo : Test Type: in vivo assay
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

Not classified due to lack of data.

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Remarks : No data available

PERODOX 42

Version	Revision Date:	Market/LAN./Code	Date of last issue:01/07/2025
4.15	04/15/2025	US/EN/500W	Date of first issue:04/25/2017

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

Not classified due to lack of data.

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Effects on fertility : Species: Rat, females
Strain: wistar
Application Route: Oral
Dose: 0 50, 160, 500 milligram per kilogram
General Toxicity Parent: NOAEL: 50 mg/kg bw/day
General Toxicity F1: NOAEL F1: 50 mg/kg bw/day
Fertility: NOAEL Parent: 50 mg/kg bw/day
Method: OECD Test Guideline 421

Species: Rat, males
Strain: wistar
Application Route: Oral
Dose: 0 50, 160, 500 milligram per kilogram
General Toxicity Parent: NOAEL: 50 mg/kg bw/day
General Toxicity F1: NOAEL F1: 50 mg/kg bw/day
Fertility: NOAEL Parent: 400 mg/kg bw/day
Method: OECD Test Guideline 421

STOT-single exposure

Not classified due to lack of data.

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Routes of exposure : Inhalation
Target Organs : Respiratory system
Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure

Not classified due to lack of data.

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Species : Rat
NOAEL : 50 mg/kg
Application Route : Oral
Exposure time : 28 d

Aspiration toxicity

Not classified due to lack of data.

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

No aspiration toxicity classification

Further information

Product:

Remarks : No further data available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Toxicity to fish : LC50 : 7.0 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.5098 mg/l

PERODOX 42

Version	Revision Date:	Market/LAN./Code	Date of last issue:01/07/2025
4.15	04/15/2025	US/EN/500W	Date of first issue:04/25/2017

Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 0.125 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1
Toxicity to microorganisms : NOEC (activated sludge): 26.3 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition
Method: Domestic OECD Guideline 209

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Biodegradability : Result: Inherently biodegradable.
Method: Closed Bottle test

Bioaccumulative potential

Components:

tert-Butyl peroxy-3,5,5-trimethylhexanoate:

Bioaccumulation : Remarks: Bioaccumulation is not expected.

Partition coefficient: n-octanol/water : log Pow: 5.16 (68 °F / 20 °C)

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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

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 3105
Proper shipping name : ORGANIC PEROXIDE TYPE D, LIQUID
(tert-Butyl peroxy-3,5,5-trimethylhexanoate, <=100%)
Class : 5.2
Packing group : Not assigned by regulation
Labels : 5.2
Environmentally hazardous : yes

IATA-DGR

UN/ID No. : UN 3105
Proper shipping name : Organic peroxide type D, liquid
(tert-Butyl peroxy-3,5,5-trimethylhexanoate, <=100%)
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

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

Environmentally hazardous : yes

IMDG-Code

UN number : UN 3105
Proper shipping name : ORGANIC PEROXIDE TYPE D, LIQUID
(tert-Butyl peroxy-3,5,5-trimethylhexanoate, <=100%, tert-Butyl peroxy-3,5,5-trimethylhexanoate)
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 IMO instruments

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number : UN 3105
Proper shipping name : Organic peroxide type D, liquid
(tert-Butyl peroxy-3,5,5-trimethylhexanoate, <=100%)
Class : 5.2
Packing group : Not assigned by regulation
Labels : ORGANIC PEROXIDE
ERG Code : 145
Marine pollutant : yes(tert-Butyl peroxy-3,5,5-trimethylhexanoate)
Reportable Quantity : This product does not contain an environmentally hazardous substance per 49 CFR 172.101, Appendix A.

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

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Organic peroxides
Respiratory or skin sensitization

PERODOX 42

Version	Revision Date:	Market/LAN./Code	Date of last issue:01/07/2025
4.15	04/15/2025	US/EN/500W	Date of first issue:04/25/2017

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Maine Chemicals of High Concern

Product does not contain any listed chemicals

New Jersey Right To Know

tert-Butyl peroxy-3,5,5-trimethylhexanoate 13122-18-4

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients 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 : All components of this product are on the Canadian DSL

ENCS : On the inventory, or in compliance with the inventory

PERODOX 42

Version 4.15 Revision Date: 04/15/2025 Market/LAN./Code US/EN/500W Date of last issue:01/07/2025
Date of first issue:04/25/2017

- 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 : On the inventory, or in compliance with the inventory
- TECI : On the inventory, or in compliance with the inventory

TSCA list

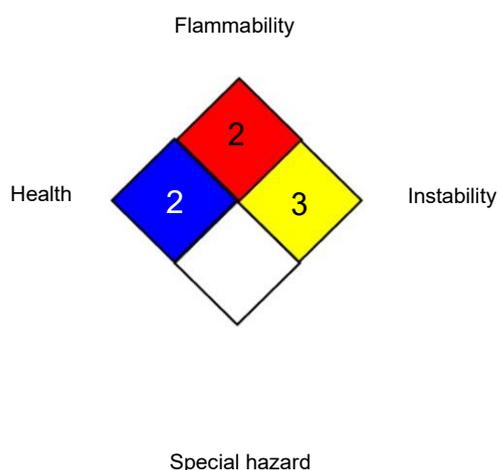
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH		2
FLAMMABILITY		2
PHYSICAL HAZARD		3

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

- ACGIH : USA. ACGIH Threshold Limit Values (TLV)
- NIOSH REL : USA. NIOSH Recommended Exposure Limits
- OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



PERODOX 42

Version	Revision Date:	Market/LAN./Code	Date of last issue:01/07/2025
4.15	04/15/2025	US/EN/500W	Date of first issue:04/25/2017

OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / STEL	:	Short-term exposure limit
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; 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 Organization 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

Revision Date : 09/12/2025

SAFETY DATA SHEET
according to the OSHA Hazard Communication Standard



PERODOX 42

Version	Revision Date:	Market/LAN./Code	Date of last issue:01/07/2025
4.15	04/15/2025	US/EN/500W	Date of first issue:04/25/2017

This material 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.

US/EN/500W