

## PERODOX 125

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 125

#### 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)

Organic peroxides : Type C  
Skin irritation : Category 2  
Skin sensitization : Sub-category 1B  
Aspiration hazard : Category 1  
Short-term (acute) aquatic hazard : Category 1  
Long-term (chronic) aquatic hazard : Category 1

#### GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H242 Heating may cause a fire.  
H304 May be fatal if swallowed and enters airways.

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H315 Causes skin irritation.  
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/ sparks/ open flames/ hot surfaces.  
No smoking.  
P220 Keep/Store away from clothing/ combustible materials.  
P234 Keep only in original container.  
P235 Keep cool.  
P261 Avoid breathing mist or vapors.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P331 Do NOT induce vomiting.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash 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:**

P405 Store locked up.  
P410 Protect from sunlight.  
P411 Store at temperatures not exceeding 10°C/ 50°F.  
P420 Store away from other materials.

**Disposal:**

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

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
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tert-Amyl peroxyvalate	29240-17-3	74 - 76
Naphtha (petroleum), hydrotreated heavy	64742-48-9	24 - 26

**The following substances have multiple CAS-number**

Naphtha (petroleum), hydrotreated heavy : 90622-58-5

**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.  
 Do NOT induce vomiting.  
 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 be fatal if swallowed and enters airways.  
 Causes skin irritation.  
 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.
- 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

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- 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 : Use personal protective equipment.  
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.  
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.  
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

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- 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 : For personal protection see section 8.  
Avoid formation of aerosol.  
Do not breathe vapors or spray mist.  
Avoid contact with skin, eyes and clothing.  
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.
- Conditions for safe storage : Prevent unauthorized access.  
No smoking.  
Observe label precautions.  
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 : No decomposition if stored and applied as directed.
- Minimum storage temperature: : Avoid temperatures below:  
-30 °C (-22 °F)
- Maximum storage temperature: : -10 °C (14 °F)

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Naphtha (petroleum), hydrotreated heavy	64742-48-9	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0

**Occupational exposure limits of decomposition products**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible	Basis
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		exposure)	concentration	
Isobutane	75-28-5	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		STEL	1,000 ppm	ACGIH
Methyl ethyl ketone	78-93-3	TWA	75 ppm	ACGIH
		STEL	150 ppm	ACGIH
		TWA	200 ppm 590 mg/m3	NIOSH REL
		ST	300 ppm 885 mg/m3	NIOSH REL
		TWA	200 ppm 590 mg/m3	OSHA Z-1
		TWA	200 ppm 590 mg/m3	OSHA P0
		STEL	300 ppm 885 mg/m3	OSHA P0
		TWA	250 ppm	ACGIH
Acetone	67-64-1	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
		TWA	750 ppm 1,800 mg/m3	OSHA P0
		TWA	250 ppm	ACGIH
Isobutylene	115-11-7	TWA	250 ppm	ACGIH
Ethane	74-84-0	TWA	0.1 mg/m3 (Formaldehyde)	OSHA P0
		TWA	0.1 mg/m3 (Formaldehyde)	NIOSH REL

**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  
Material : Neoprene

Material : Nitrile rubber

Eye protection : Tightly fitting safety goggles

Skin and body protection : Protective suit

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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 : clear, colorless

Odor : Faint.

Odor Threshold : No data available

pH : neutral

Melting point :  $\leq -22 \text{ }^\circ\text{F}$  /  $\leq -30 \text{ }^\circ\text{C}$

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

Flash point : Above the SADT value  
No flash point was obtained, but the product may release flammable vapor.

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 : 1 hPa (95 °F / 35 °C)

Relative vapor density : 5.9 (68 °F / 20 °C)  
Solvent (Air = 1.0)

Relative density : 0.88 (32 °F / 0 °C)

Bulk density : Not applicable

Solubility(ies)  
Water solubility : immiscible

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Solubility in other solvents : Description: miscible with most organic solvents

Partition coefficient: n-octanol/water : No data available

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) : 77 °F / 25 °C

Viscosity

    Viscosity, dynamic : 3.4 mPa.s (32 °F / 0 °C)

    Viscosity, kinematic : 3.86 mm<sup>2</sup>/s (32 °F / 0 °C)

Explosive properties : Not explosive

Oxidizing properties : Not classified as oxidizing.

Active Oxygen Content : 6.30 - 6.47 %

Organic peroxides : 75 %

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### 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  
Reducing agents  
Heavy metals

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		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	:	Isobutane tert-Amyl alcohol Methyl ethyl ketone Acetone Carbon oxides Isobutylene Ethane
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)	:	25 °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: > 5,000 mg/kg  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: 3,333 mg/kg  
Method: Calculation method

#### **Components:**

##### **tert-Amyl peroxyvalate:**

Acute oral toxicity : LD50 (Rat, male and female): 4,270 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 9500 mg/m<sup>3</sup>

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Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: no  
Remarks: Saturated vapor concentration

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg

### **Naphtha (petroleum), hydrotreated heavy:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: Read-across (Analogy)

Acute inhalation toxicity : LC50 (Rat): > 5000 mg/m<sup>3</sup>  
Exposure time: 4 h  
Test atmosphere: vapor  
Remarks: Read-across (Analogy)

Acute dermal toxicity : LD50 (Rabbit): > 5000 milligram per kilogram  
Remarks: Read-across (Analogy)

### **Skin corrosion/irritation**

Causes skin irritation.

### **Components:**

#### **tert-Amyl peroxyvalate:**

Species : Rabbit  
Exposure time : 24 h  
Method : OECD Test Guideline 404  
Result : Skin irritation  
GLP : no

### **Naphtha (petroleum), hydrotreated heavy:**

Result : Repeated exposure may cause skin dryness or cracking.  
Remarks : Read-across (Analogy)

### **Serious eye damage/eye irritation**

Not classified due to lack of data.

### **Components:**

#### **tert-Amyl peroxyvalate:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405  
GLP : no  
Remarks : Based on available data, the classification criteria are not met.

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### **Naphtha (petroleum), hydrotreated heavy:**

Result : Contact with eyes may cause irritation.  
Remarks : Read-across (Analogy)

### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

Not classified due to lack of data.

#### **Product:**

Test Type : Maximization Test  
Species : Guinea pig  
Assessment : The product is a skin sensitizer, sub-category 1B.  
Method : OECD Test Guideline 406  
GLP : yes

#### **Components:**

##### **tert-Amyl peroxyphthalate:**

Test Type : Maximization Test  
Species : Guinea pig  
Assessment : The product is a skin sensitizer, sub-category 1B.  
Method : OECD Test Guideline 406  
GLP : yes

##### **Naphtha (petroleum), hydrotreated heavy:**

Assessment : Does not cause skin sensitization.  
Remarks : Read-across (Analogy)

### **Germ cell mutagenicity**

Not classified due to lack of data.

#### **Components:**

##### **tert-Amyl peroxyphthalate:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: Positive results in some in vitro tests.  
GLP: yes

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Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Cell type: Bone marrow  
Application Route: Oral  
Method: OECD Test Guideline 474  
Result: negative  
GLP: yes

Germ cell mutagenicity - Assessment : Not mutagenic.

### **Naphtha (petroleum), hydrotreated heavy:**

Germ cell mutagenicity - Assessment : Not mutagenic.

### **Carcinogenicity**

Not classified due to lack of data.

### **Components:**

### **Naphtha (petroleum), hydrotreated heavy:**

Carcinogenicity - Assessment : Not carcinogenic.

**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-Amyl peroxyphthalate:**

Effects on fertility : Test Type: reproductive and developmental toxicity study  
Species: Rat, male and female  
Application Route: Oral  
General Toxicity Parent: NOAEL: 310 mg/kg bw/day  
General Toxicity F1: NOAEL: 150 mg/kg bw/day

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Method: OECD Test Guideline 422  
GLP: yes  
Remarks: Information given is based on data obtained from similar substances.

Effects on fetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat, male and female  
Application Route: Oral  
Developmental Toxicity: NOAEL: 150 mg/kg bw/day  
Method: OECD Test Guideline 422  
GLP: yes  
Remarks: Information given is based on data obtained from similar substances.

### **Naphtha (petroleum), hydrotreated heavy:**

Reproductive toxicity - Assessment : No toxicity to reproduction

### **STOT-single exposure**

Not classified due to lack of data.

### **STOT-repeated exposure**

Not classified due to lack of data.

### **Components:**

### **Naphtha (petroleum), hydrotreated heavy:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.  
Remarks : Read-across (Analogy)

### **Aspiration toxicity**

May be fatal if swallowed and enters airways.

### **Components:**

### **tert-Amyl peroxyvalate:**

No aspiration toxicity classification

### **Naphtha (petroleum), hydrotreated heavy:**

May be fatal if swallowed and enters airways.

### **Further information**

### **Product:**

Remarks : Solvents may degrease the skin.

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Remarks : No further data available.

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

##### **tert-Amyl peroxyvalate:**

Toxicity to fish : LC50 (Fish): > 100 mg/l  
Exposure time: 96 h  
Remarks: Expert judgment

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 56.4 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: yes

NOEC (Daphnia magna (Water flea)): 13 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.47 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201  
GLP: yes

NOEC (Pseudokirchneriella subcapitata (green algae)): 0.031 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201  
GLP: yes

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

##### **Naphtha (petroleum), hydrotreated heavy:**

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

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Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### Persistence and degradability

#### Components:

##### **tert-Amyl peroxyphthalate:**

Biodegradability : Ready biodegradability  
Inoculum: Activated sludge, domestic, non-adapted  
Concentration: 2 mg/l  
Result: Inherently biodegradable.  
Testing period: 28 d  
Kinetic:  
28 d: 28 %  
60 d: 82 %  
Method: OECD Test Guideline 301D  
GLP: yes  
Remarks: Hydrolyzes readily.

Physico-chemical removability : Remarks: Readily eliminated from water

### Bioaccumulative potential

#### Components:

##### **tert-Amyl peroxyphthalate:**

Bioaccumulation : Remarks: Not expected considering the low log Pow value.  
Bioaccumulation is not expected.

Partition coefficient: n-octanol/water : log Pow: < 4

##### **Naphtha (petroleum), hydrotreated heavy:**

Partition coefficient: n-octanol/water : Remarks: No data available

### 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 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).

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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 3113  
Proper shipping name : ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED  
(tert-Amyl peroxyvalate, 75%)  
Class : 5.2  
Packing group : Not assigned by regulation  
Labels : 5.2  
Environmentally hazardous : yes

##### IATA-DGR

Not permitted for transport

##### IMDG-Code

UN number : UN 3113  
Proper shipping name : ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED  
(tert-Amyl peroxyvalate, 75%, tert-Amyl peroxyvalate)  
Class : 5.2  
Packing group : Not assigned by regulation  
Labels : 5.2  
EmS Code : F-F, S-R  
Marine pollutant : yes

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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.

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 3113  
Proper shipping name : Organic peroxide type C, liquid, temperature controlled  
(tert-Amyl peroxyvalate, 75%)  
Class : 5.2  
Packing group : Not assigned by regulation  
Labels : ORGANIC PEROXIDE  
ERG Code : 148  
Marine pollutant : yes(tert-Amyl peroxyvalate)  
Reportable Quantity : This product does not contain an environmentally hazardous  
substance per 49 CFR 172.101, Appendix A.

### Special precautions for user

Remarks : The control temperature is the maximum temperature at which  
the formulation can be transported safely during a prolonged  
period of time.

### Further information for transport

Control temperature : 10 °C (50 °F)  
Emergency temperature : 15 °C (59 °F)

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.

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## 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  
Aspiration hazard  
Skin corrosion or irritation

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**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 I Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I 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

### 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

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

DSL : This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.  
tert-Amyl peroxyvalate

ENCS : Not in compliance with the inventory

ISHL : Not 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

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

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

TECI : Not in compliance with the inventory

**TSCA list**

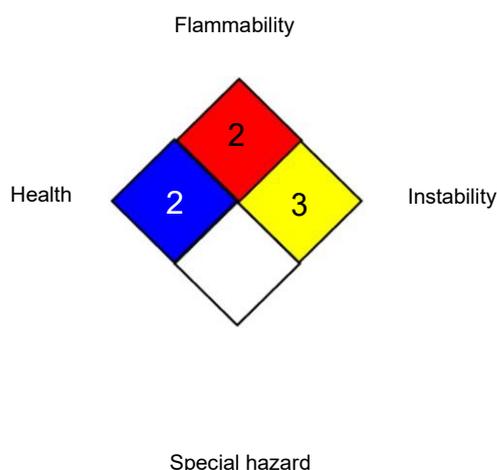
No substances are subject to a Significant New Use Rule.

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

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA 704:**



**HMIS® IV:**

<b>HEALTH</b>	/	2
<b>FLAMMABILITY</b>		2
<b>PHYSICAL HAZARD</b>		2

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)

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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



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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

AllC - 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 Standardisation; 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 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; 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, Authorisation 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; TECl - 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 : 04/15/2025

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

**SAFETY DATA SHEET**  
according to the OSHA Hazard Communication Standard



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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