

LACKTHERM 0004 CATALYST

Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 2/5/2024 Revision date: 2/24/2026 Version: 8.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Substance
Trade name : LACKTHERM 0004 CATALYST
Product code : 18057100
Type of product : Catalyst
Product group : Trade product

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Uses in coatings - Curing agent for component A.

1.4. Supplier's details

WEG TINTAS LTDA - GRUPO WEG

Guaramirim - Santa Catarina / Brasil

Rodovia BR 280 – Km 50, 6.918 – Bloco A. Caixa D'Água – 89270-000 - +55 (47) 3276-4000

Mauá - São Paulo / Brasil

Rua Dr. Ulysses Guimarães, nº 918 – Bloco A. Loteamento Industrial Coral 09372-050 – Fone: +55 (11) 4547-6100

Cabo de Santo Agostinho - Pernambuco / Brasil

Via VII, 314 Distrito Industrial DIPER – 54590-000 - Fone: +55 (81) 3512-3000

Betim - Minas Gerais / Brasil

Avenida Juiz Marco Tulio Isaac, 2994 Betim Industrial – 32671-198, Fone: +55 (31) 3268-0687 / +55 (31) 3268-0686

Macaé - Rio de Janeiro / Brasil

Rua Itacolomi, 528 – Quadra H – Lote 11 Cabiúnas – 27977-340

Atotonilco de Tula - Estado de Hidalgo / México

Av. Hidalgo, lote 40, 41, 42 y 43 - Parque Industrial Bicentenario, CP 42980 - Fone: +52 (55) 5321-4231

Buenos Aires - Provincia de Buenos Aires / Argentina

Av. José Melián, 2983 - Parque Industrial Burzaco, B1852 - Fone: +54 (11) 4299-8000

1.5. Emergency phone number

Emergency number :

24-HOUR EMERGENCY - AMBIPAR		0800 117 2020	
CHEMTREC international number		+1-703-527-3887 e 1-800-424-9300	
Country	City	Local Number	Toll-Free Number
Austria	Vienna	+43-1-3649237	
Austria			0800 293702
China		400 120 4937	
France		+33-975181407	
Germany			0800-181-7059

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India			000 800 1007 141
Italy	Milan	+39-02 4555 7031	
Italy			800 789 767
Netherlands		+31-85 888 0596	
South Africa			080-001-4676
United Kingdom	London	+44 20 3807 3798	
South korea			080-880-0454
Japan			0800-300-5842

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to GHS BR (ABNT NBR 14725: 2023)

Flammable liquids, Category 3
Self-Reactive Substances and Mixtures, Type B
Organic Peroxides, Type E
Acute toxicity (oral), Category 4
Acute toxicity (inhalation:vapour) Category 2
Skin corrosion/irritation, Category 2
Skin sensitisation, Category 1
Carcinogenicity, Category 1B
Hazardous to the aquatic environment - Acute Hazard, Category 1
Hazardous to the aquatic environment - Chronic Hazard, Category 2

2.2. GHS Label elements, including precautionary statements

GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H226 - Flammable liquid and vapour
H241 - Heating may cause a fire or explosion
H242 - Heating may cause a fire
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H330 - Fatal if inhaled
H350 - May cause cancer.
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (GHS BR) : 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.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe dust, fume, gas, mist, vapours or spray.
P264 - Wash hands, forearms and face thoroughly after handling.

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P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
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 and hearing protection.
P284 - Wear respiratory protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 - IF exposed or concerned: Get medical advice or attention.
P310 - Immediately call a POISON CENTER or a doctor.
P320 - Specific treatment is urgent (see supplemental first aid instruction on this label).
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P370+P380+P375[+378] - In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use appropriate media to extinguish.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P410 - Protect from sunlight.
P411 - Store at temperatures not exceeding the recommended value .
P420 - Store separately.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : CATALISADOR LACKTHERM 0004 COMP B

Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
TERT-BUTYL PERBENZOATE	CAS-No.: 614-45-9	60 – 80	Flam. Liq. 4, H227 Self-react. C, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:vapour), H330 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
TERT-BUTYL CUMYL PEROXIDE	CAS-No.: 3457-61-2	10 – 20	Flam. Liq. 4, H227 Org. Perox. E, H242 Skin Irrit. 2, H315 Aquatic Acute 1, H400

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Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
			Aquatic Chronic 1, H410
1,1-DI(TERT-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE	CAS-No.: 6731-36-8	5 – 10	Flam. Liq. 3, H226 Self-react. B, H241 Aquatic Chronic 4, H413
ISODODECANE	CAS-No.: 13475-82-6	5 – 10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
CUMENE	CAS-No.: 98-82-8	0.25 – 0.5	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Carc. 1B, H350 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
tert-butyl hydroperoxide	CAS-No.: 75-91-2	0.1 – 0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Muta. 2, H341 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. People with over sensibility problems are not allowed to work or be exposed to the product.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Immediately call a POISON CENTER/doctor.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Be careful, the product may remain trapped under clothing, footwear or a wrist-watch. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, acute and delayed

Symptoms/effects	: Fatal if inhaled. Swallowing a small quantity of this material presents some health hazard. May cause an allergic skin reaction.
Symptoms/effects after inhalation	: May cause shortness of breath, tightness of the chest, a sore throat and cough. May cause headache, nausea and irritation of respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: stinging. Redness. Risk of serious damage to eyes.

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- Symptoms/effects after ingestion : May cause irritation to the digestive tract. Harmful if swallowed. Ingestion may cause nausea and vomiting.
- Chronic symptoms : May cause cancer.

4.3. Indication of any immediate medical attention and special treatment needed, if necessary

- Notes to physician : Treat symptomatically

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam. Flood fire area with water from a distance.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Fire hazard : Flammable liquid and vapour. The vapours are denser than air and may travel along the ground. Distance ignition possible. Agitation can cause build up of electrostatic charge. Vapours may cause fire/explosion if source of ignition is present. Watch out for invisible flames. Heating may cause a fire. Contact with combustible material may cause fire. In case of fire and/or explosion do not breathe fumes.
- Explosion hazard : Vapours may form explosive mixture with air. Prolonged exposure to fire may cause containers to rupture/explode. Explosive when mixed with combustible material. Heating may cause a fire or explosion.

5.3. Special protective actions for fire-fighters

- Firefighting instructions : Get the package away from the fire if this can be done without risk. Fight fire from a safe distance or use hoses with support or cannon engine. Cool laterally with water containers exposed to flames, even after the fire is extinguished. Eliminate all ignition sources if safe to do so. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
- Other information : On exposure to high temperature, may decompose, releasing toxic gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate every possible source of ignition. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Avoid contact with skin and eyes. May be harmful to aquatic organisms, to flora, to soil organisms. Clean up any spills as soon as possible, using an absorbent material to collect it. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : No flames, no sparks. Eliminate all sources of ignition. Do not touch or walk on the spilled product. Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene. Notify fire brigade and environmental authorities.

6.1.2. For emergency responders

- Protective equipment : Use self-contained breathing apparatus and chemically protective clothing. Gloves. Wear security glasses which protect from splashes. Self-contained breathing apparatus. Use explosion-proof equipment. Total impervious protective suits, gloves, and boots must be

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Emergency procedures

- worn to prevent any contact with the product. Equip cleanup crew with proper protection.
- : Keep away from combustible material. All equipment used when handling the product must be grounded. Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Toxic to aquatic life with long lasting effects. Do not allow product to spread into the environment. Very toxic to aquatic life. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment

- : Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up

- : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Absorb spilled material with sand or earth. Collect leaking and spilled liquid in sealable containers as far as possible. Absorb spillage to prevent material damage. Clean contaminated surfaces with an excess of water. Take up liquid spill into absorbent material.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed

- : Flammable vapours may accumulate in the container.

Precautions for safe handling

- : Provide adequate ventilation to minimize dust and/or vapour concentrations. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle carefully. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Prevent the build-up of electrostatic charge. Obtain special instructions before use. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. Ensure good ventilation of the work station. Keep only in original container. Do not handle until all safety precautions have been read and understood.

Hygiene measures

- : Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

- : Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in fireproof place. Store away from other materials. Keep cool. Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed.

Incompatible materials

- : combustible materials.

Packaging materials

- : Keep only in the original container in a cool, well-ventilated place away from combustible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CUMENE 98-82-8

USA - OSHA - Occupational Exposure Limits

Local name

Cumene

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CUMENE 98-82-8

OSHA PEL TWA	245 mg/m ³
	50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Keep in a cool place. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

Eye protection:

Wear closed safety glasses

Skin and body protection:

Use explosion-proof equipment. Chemical resistant safety shoes. Long sleeved protective clothing. Or chemical resistant apron

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Amarelado
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 58 °C
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: 7.6 mm Hg 30°C

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Relative vapour density at 20°C	: 6.7
Relative density	: Not available
Density	: 1.04 (0.96 – 1.04) g/cm³
Solubility	: Material insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: 60 °C
Viscosity, kinematic	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle specific surface area	: Not applicable

TERT-BUTYL CUMYL PEROXIDE3457-61-2

Flash point	80 °C
Vapour pressure	14 mm Hg

1,1-DI(TERT-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE6731-36-8

Boiling point	86 °C Source: National Institute of Technology and Evaluation
Flash point	46 °C Source: National Institute of Technology and Evaluation
Auto-ignition temperature	410 °C Source: National Institute of Technology and Evaluation

ISODODECANE13475-82-6

Boiling point	180 °C
Flash point	45 °C Source: ECHA Registered substances
Auto-ignition temperature	430
Vapour pressure at 50°C	30 hPa

CUMENE98-82-8

Boiling point	152 °C Source: HSDB
Flash point	31 °C
Auto-ignition temperature	420 °C
Vapour pressure	4.5 mm Hg at 25°C Source: HSDB

TERT-BUTYL PERBENZOATE614-45-9

Boiling point	75 – 76 °C
Flash point	93 °C Source: HSDS
Vapour pressure	0.33 mm Hg

tert-butyl hydroperoxide75-91-2

Boiling point	89 °C
Flash point	26 °C Source: GESTIS
Auto-ignition temperature	238 °C

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tert-butyl hydroperoxide 75-91-2

Vapour pressure	5.47 mm Hg
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9.2. Data relevant with regard to physical hazard classes

VOC Total (g/l)	: 0 g/l
VOC Total (lb/gal)	: 0 lb/gal

9.3. Further safety characteristics

No additional information available

SECTION 10: Stability and reactivity

Chemical stability	: In use may form flammable/explosive vapour-air mixture. Heating may cause a fire.
Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with hot surfaces. High temperature. Avoid formation of vapours. Risk of explosion by shock, friction, fire or other sources of ignition.
Hazardous decomposition products	: May liberate toxic gases. Inhalation or contact with substance or decomposition products could cause severe injury or death.
Incompatible materials	: Materiais plásticos solúveis em Xileno. Não armazenar com materiais explosivos, gases inflamáveis e/ou tóxicos, substâncias oxidantes, corrosivas e materiais que possam. Combustible materials.
Possibility of hazardous reactions	: Liquids/vapours may ignite or react with other materials. May mass explode in fire.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Handling temperature	: No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not available
Acute toxicity (inhalation)	: Inhalation:vapour: Fatal if inhaled.

1,1-DI(TERT-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE (6731-36-8)

LD50 oral rat	12918 mg/kg Source: Corporate Solution From Thomson Micromedex
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CUMENE (98-82-8)

LD50 oral rat	2910 mg/kg Source: HSDB
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TERT-BUTYL PERBENZOATE (614-45-9)

LD50 oral rat	1012 mg/kg
LC50 Inhalation - Rat	1.01 g/m³

tert-butyl hydroperoxide (75-91-2)

LD50 oral rat	370 mg/kg
LD50 dermal rat	790 mg/kg
LC50 Inhalation - Rat [ppm]	502 ppm

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not available
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not available
Carcinogenicity	: May cause cancer.

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CUMENE (98-82-8)

IARC group	2B - Possibly carcinogenic to humans
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Reproductive toxicity : Not available

STOT-single exposure : Not available

CUMENE (98-82-8)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not available

Aspiration hazard : Not available

11.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Fatal if inhaled. Swallowing a small quantity of this material presents some health hazard. May cause an allergic skin reaction.

Symptoms/effects after inhalation : May cause shortness of breath, tightness of the chest, a sore throat and cough. May cause headache, nausea and irritation of respiratory tract.

Symptoms/effects after skin contact : Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.

Symptoms/effects after eye contact : stinging. Redness. Risk of serious damage to eyes.

Symptoms/effects after ingestion : May cause irritation to the digestive tract. Harmful if swallowed. Ingestion may cause nausea and vomiting.

Chronic symptoms : May cause cancer.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

TERT-BUTYL CUMYL PEROXIDE3457-61-2

LC50 - Fish [1]	0.708 mg/l Source: Ecological Structure Activity Relationships
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CUMENE98-82-8

LC50 - Fish [1]	4.7 mg/l Source: ECHA
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EC50 - Crustacea [1]	2.14 mg/l Source: ECHA
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ErC50 algae	2.01 mg/l Source: ECHA
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TERT-BUTYL PERBENZOATE614-45-9

LC50 - Fish [1]	0.402 mg/l Source: ECOSAR
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EC50 - Crustacea [1]	11 mg/l
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ErC50 algae	0.8 mg/l
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NOEC chronic fish	0.101 mg/l
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NOEC chronic algae	0.44 mg/l
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tert-butyl hydroperoxide75-91-2

EC50 72h - Algae [1]	2.1 mg/l
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12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
TERT-BUTYL CUMYL PEROXIDE3457-61-2	
Persistence and degradability	Not rapidly degradable
1,1-DI(TERT-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE6731-36-8	
Persistence and degradability	Not rapidly degradable
ISODODECANE13475-82-6	
Persistence and degradability	Not rapidly degradable
CUMENE98-82-8	
Persistence and degradability	Not rapidly degradable
TERT-BUTYL PERBENZOATE614-45-9	
Persistence and degradability	Not rapidly degradable
tert-butyl hydroperoxide75-91-2	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

1,1-DI(TERT-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE6731-36-8	
Partition coefficient n-octanol/water (Log Pow)	5.45
CUMENE98-82-8	
Partition coefficient n-octanol/water (Log Pow)	3.66 Source: HSDB
TERT-BUTYL PERBENZOATE614-45-9	
Partition coefficient n-octanol/water (Log Pow)	2.89
tert-butyl hydroperoxide75-91-2	
Partition coefficient n-octanol/water (Log Pow)	-1.3

12.4. Mobility in soil

1,1-DI(TERT-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE6731-36-8	
Mobility in soil	336600 Source: Quantitative Structure Activity Relation

12.5. Other adverse effects

Hazardous to the ozone layer : Not available

SECTION 13: Disposal considerations

Waste treatment methods	: Must follow special treatment according to local regulation.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Flammable vapours may accumulate in the container. Do not re-use empty containers.

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SECTION 14: Transport information

14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

ANTT	IMDG	IATA
UN number		
3103	3103	3103
UN Proper Shipping Name		
PERÓXIDO ORGÂNICO, TIPO C, LÍQUIDO	ORGANIC PEROXIDE TYPE C, LIQUID	Organic peroxide type C, liquid
Transport document description		
Not applicable	UN 3103 ORGANIC PEROXIDE TYPE C, LIQUID, 5.2, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3103 Organic peroxide type C, liquid, 5.2
Transport hazard class(es)		
5.2	5.2	5.2
Danger labels		
5.2	5.2	5.2
		
Subsidiary risk		
Not applicable	Not applicable	Not applicable
Risk Number		
539	Not applicable	Not applicable
Packing group		
Not applicable	Not applicable	Not applicable
Special provisions		
122,195,274	122,195,274	A20,A150,A802
Dangerous for the environment		
Yes	Yes	Yes

14.2 Other informations

No additional information available

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SECTION 15: Regulatory information

15.1. National regulations

Brazil Local Regulations

: Standard ABNT NBR 14725.
Federal Decree no. 10.088, of 5 November 2019 – Promulgates Convention no. 170 of the WLO, relating to Safety in the Use of Chemicals in the Workplace, ratified by the Federative Republic of Brazil.
Ministerial Order no. 2.770, of 5 September 2022 – Approves the new wording of Regulatory Standard No. 26
Federal Decree no. 96.044, of 18 May 1988 - Approves Regulations for Road Transportation of Hazardous Materials
Resolution no. 5998, of 03 November 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.
Law No. 12.305, of August 2, 2010 (National Policy on Solid Waste)

SECTION 16: Other information

Abbreviations and acronyms

: CAS-No. - Chemical Abstracts Service number
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF - Bioconcentration factor
EC50 - Median effective concentration
LC50 - Median lethal concentration
VOC - Volatile Organic Compounds
LD50 - Median lethal dose
DMEL - Derived Minimal Effect level
DNEL - Derived-No Effect Level
COD - Chemical oxygen demand (COD)
ATE - Acute Toxicity Estimate
IMDG - International Maritime Dangerous Goods
IATA - International Air Transport Association
EC-No. - European Community number
vPvB - Very Persistent and Very Bioaccumulative
WGK - Water Hazard Class
IOELV - Indicative Occupational Exposure Limit Value
BLV - Biological limit value
TRGS - Technical Rules for Hazardous Substances
TLM - Median Tolerance Limit
IARC - International Agency for Research on Cancer

Important information, but not specifically described in the previous sections: This MSDS was prepared based on current knowledge about the handling of the product under normal conditions of use, according to the application specified on the packaging and recommended usage in Section 1 of this MSDS. Any other use of the product involving its combination with other materials, as well as forms of use different from those indicated, are the user's responsibility. The company advises that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace it is responsibility of the company user of the product to provide training of its employees and contractors about the possible risks arising from exposure to the chemical. We reserve the right to change the information contained in this document without prior notice, due to the improvement and continuous evolution of the product and technical knowledge.

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