

LACKTHERM 0011 B COMPONENT

Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 2/12/2024 Revision date: 9/15/2026 Version: 14.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form	: Substance
Substance type	: Mono-constituent
Trade name	: LACKTHERM 0011 B COMPONENT
Product code	: 18454730
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

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

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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	: EMERGÊNCIA 24 HORAS - AMBIPAR	0800 117 2020
	CHEMTREC número internacional	+1-703-527-3887 e 1-800-424-9300

País	Cidade	Número local
Brazil - Gratuito		0800 892 0479
Brazil	Rio De Janeiro	+55 21 3958-1449
Brazil	Sao Paulo	+55 11 4349-1359
Portugal		+351 308 801 773

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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

Skin corrosion/irritation, Category 2

Carcinogenicity, Category 1B

Aspiration hazard, Category 1

Hazardous to the aquatic environment - Acute Hazard, Category 1

Hazardous to the aquatic environment - Chronic Hazard, Category 1

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
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H350 - May cause cancer.
H410 - Very toxic to aquatic life with long lasting effects

: 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.
P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
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.
P308+P313 - IF exposed or concerned: Get medical advice or attention.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation 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.

Precautionary statements (GHS BR)

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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

Substance type : Mono-constituent
Name : CATALISADOR LACKTHERM 0011 COMP B

Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
TERT-BUTYL CUMYL PEROXIDE	CAS-No.: 3457-61-2	40 – 50	Flam. Liq. 4, H227 Org. Perox. E, H242 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,1-DI(TERT-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE	CAS-No.: 6731-36-8	20 – 40	Flam. Liq. 3, H226 Self-react. B, H241 Aquatic Chronic 4, H413
ISODODECANE	CAS-No.: 13475-82-6	20 – 40	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
CUMENE	CAS-No.: 98-82-8	1 – 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

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, acute and delayed

Symptoms/effects after inhalation : None under normal conditions.

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Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions.
Symptoms/effects after ingestion : None under normal conditions.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : 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 : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

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Precautions for safe handling

: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures

: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

: Keep in a cool, well-ventilated place away from heat.

Storage conditions

: Keep cool. Protect from sunlight.

Packaging materials

: Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CUMENE 98-82-8

USA - OSHA - Occupational Exposure Limits

Local name	Cumene
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

: Ensure good ventilation of the work station.

Environmental exposure controls

: Avoid release to the environment.

8.3. Individual protection measures

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



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SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: < -10 °C
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	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: Not available
Density	: 0.876 0.876 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	: 7.99 mm²/s
Viscosity, dynamic	: 7 mPa·s
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

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CUMENE98-82-8

Auto-ignition temperature	420 °C
Vapour pressure	4.5 mm Hg at 25°C Source: HSDB

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	: Stable under normal conditions.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Incompatible materials	: Materiais plásticos solúveis em Xileno. Não armazenar com materiais explosivos, gases inflamáveis e/ou tóxicos, substâncias oxidantes, corrosivas e materiais que possam.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
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)	: Not available
Acute toxicity (dermal)	: Not available
Acute toxicity (inhalation)	: Not available

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

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	: May be fatal if swallowed and enters airways.

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Viscosity, kinematic	7.99 mm²/s
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11.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very 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
EC50 - Crustacea [1]	2.14 mg/l Source: ECHA
ErC50 algae	2.01 mg/l Source: ECHA

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

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

Partition coefficient n-octanol/water (Log Pow)	5.45
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CUMENE98-82-8

Partition coefficient n-octanol/water (Log Pow)	3.66 Source: HSDB
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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
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12.5. Other adverse effects

Hazardous to the ozone layer	: Not available
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SECTION 13: Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
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Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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	: Do not re-use empty containers.
Ecological waste information	: The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

SECTION 14: Transport information

14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

ANTT	IMDG	IATA
UN number		
3107	3107	3107
UN Proper Shipping Name		
PERÓXIDO ORGÂNICO, TIPO E, LÍQUIDO	ORGANIC PEROXIDE TYPE E, LIQUID	Organic peroxide type E, liquid
Transport document description		
Not applicable	UN 3107 ORGANIC PEROXIDE TYPE E, LIQUID, 5.2, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3107 Organic peroxide type E, 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		
122,274	122,274	A20,A150,A802
Dangerous for the environment		
Yes	Yes	Yes

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14.2 Other information

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

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
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BOD - Biochemical oxygen demand (BOD)
LD50 - Median lethal dose
DMEL - Derived Minimal Effect level
DNEL - Derived-No Effect Level
COD - Chemical oxygen demand (COD)
ED - Endocrine disruptor
ATE - Acute Toxicity Estimate
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
SDS - Safety Data Sheet
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
PBT - Persistent Bioaccumulative Toxic
PNEC - Predicted No-Effect Concentration
TLM - Median Tolerance Limit
BLV - Biological limit value
IOELV - Indicative Occupational Exposure Limit Value
vPvB - Very Persistent and Very Bioaccumulative
EC-No. - European Community number
WGK - Water Hazard Class
TRGS - Technical Rules for Hazardous Substances

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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