

# LACKTHERM 1319 WAT H

## Safety Data Sheet

According to ABNT NBR 14725: 2023  
Issue date: 9/5/2022 Revision date: 4/7/2025 SAP export date: 4/11/2025 Version: 12.0



### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : LACKTHERM 1319 WAT H  
Product code : 15412264  
Type of product : Varnish  
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 : Impregnation

#### 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 :

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

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|                |           |                  |                  |
|----------------|-----------|------------------|------------------|
| India          | Bangalore | +91 8071 279 207 |                  |
| India          |           |                  | 000 800 1007 141 |
| Italy          | Milan     | +39-02 4555 7031 |                  |
| Italy          |           |                  | 800 789 767      |
| Netherlands    |           | +31-85 888 0596  |                  |
| Russia         |           |                  | 8(800)100-63-46  |
| 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)

Acute toxicity (oral), Category 5

Skin corrosion/irritation, Category 2

Serious eye damage/eye irritation, Category 2

### 2.2. GHS Label elements, including precautionary statements

#### GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Warning

Hazard statements (GHS BR)

: H303 - May be harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary statements (GHS BR)

: P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing 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.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P332+P313 - If skin irritation occurs: Get medical advice or attention.

P337+P313 - If eye irritation persists: Get medical advice or attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name                     | GHS Product identifier | %       | Classification according to GHS BR (ABNT NBR 14725: 2023)                                                                                                   |
|--------------------------|------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOLVENT BUTYL GLYCOL (N) | CAS-No.: 111-76-2      | 10 – 20 | Flam. Liq. 4, H227<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319                            |
| TRIETHYLAMINE            | CAS-No.: 121-44-8      | 1 – 5   | Flam. Liq. 2, H225<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318 |

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

|                                       |                                                                                                                                                                                                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Seek medical attention immediately.                                                                                                                                                                       |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                                                                                            |
| 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. |
| 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 you feel unwell, seek medical advice.                                                                                                                                                                  |

### 4.2. Most important symptoms and effects, acute and delayed

|                                     |                                                                                                                                                                         |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : May cause severe burns.                                                                                                                                               |
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. |
| Symptoms/effects after skin contact | : Causes skin irritation. irritation (itching, redness, blistering).                                                                                                    |
| Symptoms/effects after eye contact  | : May cause eye irritation.                                                                                                                                             |
| Symptoms/effects after ingestion    | : May be harmful if swallowed. Ingestion may cause nausea and vomiting. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.            |

### 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   | : Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                                |

### 5.2. Specific hazards arising from the chemical

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Fire hazard      | : In case of fire and/or explosion do not breathe fumes. |
| Explosion hazard | : No direct explosion hazard.                            |

### 5.3. Special protective actions for fire-fighters

|                           |                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions | : Fight fire with normal precautions from a reasonable distance. Do not enter fire area without proper protective equipment, including respiratory protection. |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

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Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. 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 : 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 : Self-contained breathing apparatus. Equip cleanup crew with proper protection.  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

#### 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 : Absorb spillage to prevent material damage. Clean contaminated surfaces with an excess of water.

### 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.  
Precautions for safe handling : 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. Remove contaminated clothes. Do not eat, drink or smoke when using this 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 : Store always product in container of same material as original container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| TRIETHYLAMINE 121-44-8                     |                                                                                                  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------|
| USA - ACGIH - Occupational Exposure Limits |                                                                                                  |
| Local name                                 | Triethylamine                                                                                    |
| ACGIH OEL TWA                              | 0.5 ppm                                                                                          |
| ACGIH OEL STEL                             | 1 ppm                                                                                            |
| Remark (ACGIH)                             | TLV® Basis: Visual impair; URT irr. Notations: Skin; A4 (Not classifiable as a Human Carcinogen) |

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| TRIETHYLAMINE 121-44-8                     |                                                                                                              |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Regulatory reference                       | ACGIH 2024                                                                                                   |
| USA - OSHA - Occupational Exposure Limits  |                                                                                                              |
| Local name                                 | Triethylamine                                                                                                |
| OSHA PEL TWA                               | 100 mg/m³                                                                                                    |
|                                            | 25 ppm                                                                                                       |
| Regulatory reference (US-OSHA)             | OSHA Annotated Table Z-1                                                                                     |
| SOLVENT BUTYL GLYCOL (N) 111-76-2          |                                                                                                              |
| USA - ACGIH - Occupational Exposure Limits |                                                                                                              |
| Local name                                 | 2-Butoxyethanol (EGBE)                                                                                       |
| ACGIH OEL TWA                              | 20 ppm                                                                                                       |
| Remark (ACGIH)                             | TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI |
| Regulatory reference                       | ACGIH 2024                                                                                                   |
| USA - OSHA - Occupational Exposure Limits  |                                                                                                              |
| Local name                                 | 2-Butoxyethanol                                                                                              |
| OSHA PEL TWA                               | 240 mg/m³                                                                                                    |
|                                            | 50 ppm                                                                                                       |
| Regulatory reference (US-OSHA)             | OSHA Annotated Table Z-1                                                                                     |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : 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.

|                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------|
| <b>Materials for protective clothing:</b>                                                                          |
| Use protective apron                                                                                               |
| <b>Hand protection:</b>                                                                                            |
| Protective gloves made of PVC                                                                                      |
| <b>Eye protection:</b>                                                                                             |
| Wear security glasses which protect from splashes                                                                  |
| <b>Skin and body protection:</b>                                                                                   |
| It is recommended the use of apron barber type to protecting upper limbs, trunk and lower limbs in case of splash. |
| <b>Respiratory protection:</b>                                                                                     |
| Where exposure through inhalation may occur from use, respiratory protection equipment is recommended              |

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### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| Physical state                                  | : Liquid                            |
| Appearance                                      | :                                   |
| Colour                                          | :                                   |
| Odour                                           | : characteristic                    |
| Odour threshold                                 | : Not available                     |
| pH                                              | : 8 – 10                            |
| Melting point                                   | : Not available                     |
| Freezing point                                  | : Not available                     |
| Boiling point                                   | : Not available                     |
| Flash point                                     | : 100 °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                                         | : 1.04 (1 – 1.04) g/cm <sup>3</sup> |
| Solubility                                      | : In water, material soluble.       |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                     |
| Auto-ignition temperature                       | : 230 °C                            |
| Decomposition temperature                       | : Not available                     |
| Viscosity, kinematic                            | : Not available                     |
| Viscosity, dynamic                              | : 15 – 17 Seconds                   |
| Particle size                                   | : Not applicable                    |
| Particle size distribution                      | : Not applicable                    |
| Particle shape                                  | : Not applicable                    |
| Particle aspect ratio                           | : Not applicable                    |
| Particle specific surface area                  | : Not applicable                    |

### 9.2. Data relevant with regard to physical hazard classes

No additional information available

### 9.3. Further safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

|                                    |                                                                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Chemical stability                 | : Stable under normal conditions of use.                                                                                             |
| Conditions to avoid                | : Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Hazardous decomposition products   | : No hazardous decomposition products known at room temperature.                                                                     |
| Incompatible materials             | :                                                                                                                                    |
| Possibility of hazardous reactions | : None under normal use.                                                                                                             |
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.                                                 |
| Handling temperature               | : No additional information available                                                                                                |

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                             |                                |
|-----------------------------|--------------------------------|
| Acute toxicity (oral)       | : May be harmful if swallowed. |
| Acute toxicity (dermal)     | : Not available                |
| Acute toxicity (inhalation) | : Not available                |

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|               |                           |
|---------------|---------------------------|
| ATE BR (oral) | 2757.364 mg/kg bodyweight |
|---------------|---------------------------|

|                           |                                         |
|---------------------------|-----------------------------------------|
| Skin corrosion/irritation | : Causes skin irritation.<br>pH: 8 – 10 |
|---------------------------|-----------------------------------------|

#### TRIETHYLAMINE (121-44-8)

|    |      |
|----|------|
| pH | 12.7 |
|----|------|

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Serious eye damage/irritation | : Causes serious eye irritation.<br>pH: 8 – 10 |
|-------------------------------|------------------------------------------------|

#### TRIETHYLAMINE (121-44-8)

|    |      |
|----|------|
| pH | 12.7 |
|----|------|

|                                   |                 |
|-----------------------------------|-----------------|
| Respiratory or skin sensitisation | : Not available |
| Germ cell mutagenicity            | : Not available |
| Carcinogenicity                   | : Not available |

#### SOLVENT BUTYL GLYCOL (N) (111-76-2)

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

|                        |                 |
|------------------------|-----------------|
| Reproductive toxicity  | : Not available |
| STOT-single exposure   | : Not available |
| STOT-repeated exposure | : Not available |
| Aspiration hazard      | : Not available |

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

|                                     |                                                                                                                                                                         |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : May cause severe burns.                                                                                                                                               |
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. |
| Symptoms/effects after skin contact | : Causes skin irritation. irritation (itching, redness, blistering).                                                                                                    |
| Symptoms/effects after eye contact  | : May cause eye irritation.                                                                                                                                             |
| Symptoms/effects after ingestion    | : May be harmful if swallowed. Ingestion may cause nausea and vomiting. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.            |

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                                                           |                 |
|-----------------------------------------------------------|-----------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Not available |
| Hazardous to the aquatic environment, long-term (chronic) | : Not available |

#### 12.2. Persistence and degradability

#### LACKTHERM 1319 WAT H

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### TRIETHYLAMINE 121-44-8

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

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### SOLVENT BUTYL GLYCOL (N)111-76-2

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Hazardous to the ozone layer : Not available

### SECTION 13: Disposal considerations

|                                            |                                                                                    |
|--------------------------------------------|------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Law No. 12.305 on the National Policy on Solid Waste Management, 02 August 2010. |
| 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                     | : Do not re-use empty containers.                                                  |

### SECTION 14: Transport information

#### 14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

| ANTT                                 | IMDG          | IATA          |
|--------------------------------------|---------------|---------------|
| <b>UN number</b>                     |               |               |
| Not regulated for transport          |               |               |
| <b>UN Proper Shipping Name</b>       |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Transport hazard class(es)</b>    |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Danger labels</b>                 |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Subsidiary risk</b>               |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Risk Number</b>                   |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Packing group</b>                 |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Special provisions</b>            |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Dangerous for the environment</b> |               |               |
| Not regulated                        | Not regulated | Not regulated |

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### 14.2 Other informations

No additional information available

## 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 November 3, 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.

## SECTION 16: Other information

Abbreviations and acronyms

: CAS-No. - Chemical Abstract 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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