

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 30.11.2022

Version number 2.0 (replaces version 1.1)

Revision date: 07.11.2022

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

• **1.1 Product identifier**

• **Trade name:** **DERCOLYTE® TS 125**

• **Common substance name:** Terpene Styrene Resin

• **REACH Registration number:**

This product is a polymer; it is therefore exempted from REACH registration according to Article 2 of Regulation (EC) No 1907/2006. The monomers have been registered.

• **UFI:** Not relevant as the product is a substance

• **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses: production and distribution of the substance, tyres.

• **1.3 Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

LES DERIVES RESINIQUES ET TERPENIQUES (DRT)

30 rue Gambetta

BP 90206

F-40105 DAX CEDEX

FRANCE

Tel: 33-(0)5 58 56 62 00

Email: fds@drt.fr

• **1.4 Emergency telephone number**

NCEC (24/24 – 7/7):

From Europe : +44 1235 239670 (involves operator intervention to identify language)

Others countries : See section 16

### SECTION 2: Hazards identification

• **2.1 Classification of the substance or mixture**

• **Classification according to Regulation (EC) No 1272/2008:**

The substance is not classified according to Regulation (EC) No 1272/2008.

• **2.2 Label elements**

• **Labelling according to Regulation (EC) No 1272/2008:** Void

• **Hazard pictograms** Void

• **Signal word:** Void

• **Hazard statements:** Void

• **Information concerning to particular hazards to man and environment:**

Fine particles and powder may cause skin irritation by mechanical abrasion. However, based on available data, the classification criteria are not met.

Fine particles and powder may cause eye irritation by mechanical abrasion. However, based on available data, the classification criteria are not met.

Inhalation (dust or vapours/fumes generated by heated products) may cause respiratory irritation with throat discomfort, coughing or breathing difficulty.

Hot molten product: Burns may cause irreversible eye injury and blindness. Causes skin burns

• **2.3 Other hazards**

Resin dust may ignite on contact with electrostatic discharge or exposure to flame or other sources of ignition.

Hot molten product: may burn if ignited.

• **Results of PBT and vPvB assessment**

• **PBT:** Not determined.

• **vPvB:** Not determined.

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**· Determination of endocrine-disrupting properties**

The substance is not included in the list established in accordance with Article 59(1) of REACH regulation for having endocrine disrupting properties, and is not a substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

- **3.1 Substances** polymer
- **Identification number(s)**
- **EC number:** All monomers are listed.
- **Description:** Terpene Styrene Resin

### SECTION 4: First aid measures

**· 4.1 Description of first aid measures****· After inhalation:**

Supply fresh air. If symptoms are experienced, get medical attention.  
In case of unconsciousness place patient stably in side position for transportation.

**· After skin contact:**

Product at ambient temperature:

Immediately rinse with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritations occurs.

Hot product:

Immediately immerse or flush the burn area with large amounts of cold water (at least 15 minutes). Do not remove solidified material from burned skin as the damaged skin can be easily torn. Transfer immediately to hospital.

**· After eye contact:**

Product at ambient temperature:

Immediately rinse with water. Remove contact lenses if present and easy to do. Hold eyelids apart and flush eyes with plenty of cool low-pressure water for several minutes. If symptoms persist, consult a doctor.

Hot product:

Do not open eyelids if covered with resins. Immediately flush eyes with large amounts of water for at least 15 minutes. Do not remove solidified material from burned eye as the damaged tissues can be easily torn. Transfer immediately to hospital.

**· After swallowing:**

Do not induce vomiting. If the person is conscious, immediately rinse out mouth with water.

- No adverse health effects are expected from accidental ingestion of small amounts of this product. In case of lasting symptoms, consult a doctor.

- For ingestion of large amounts: do not induce vomiting and get medical attention.

**· 4.2 Most important symptoms and effects, both acute and delayed** No data available.**· 4.3 Indication of any immediate medical attention and special treatment needed**

For doctors: Mineral oil may be used to loosen and soften the material.

### SECTION 5: Firefighting measures

**· 5.1 Suitable extinguishing agents**

Carbon dioxide (CO<sub>2</sub>), foam, fire-extinguishing powder, water spray.

Fight large fires with water spray or foam.

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- **5.2 Special hazards arising from the substance or mixture** In case of fire, may release irritant and toxic fumes.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Firefighters should wear appropriate protective equipment and self-contained breathing apparatus.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear appropriate personal protective equipment. Keep unprotected persons away.  
Provide adequate ventilation.  
Avoid dust formation.
- **6.2 Environmental precautions**  
Do not allow product to reach soil, waterways, drains and sewers.  
Inform the relevant authorities if the product has caused environmental pollution (soil, waterways, drains or sewers).
- **6.3 Methods and material for containment and cleaning up**  
Pick up mechanically.  
Avoid as much as you can the formation of dust.  
Collect and seal in an appropriate container properly labelled for disposal.
- **6.4 Reference to other sections**  
See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Wear appropriate personal protective equipment. Provide adequate ventilation in the workplace.  
Avoid as much as you can the formation of dust.  
Provide suction extractors if dust is formed.
- **Information about fire - and explosion protection:**  
Protect against electrostatic charges.  
Use only non-sparking tools.  
Protect from heat.  
Keep ignition sources away.  
Do not use compressed air and do not blow to remove resin dusts when cleaning the working cloths or equipments.  
Local suction extractor can be used (if an appropriate maintenance is carried out).
- **7.2 Conditions for safe storage**  
Store if possible under cover in a dry, cool and well-ventilated area.  
Store only in the original container.  
Provide storage areas with suitable ventilation to eliminate dust.  
Avoid dust formation close to sources of ignition.  
Protect from heat and direct sunlight.  
All equipments including ventilation systems must be equipotential and earthed.
- **Further information about storage conditions:**
- **Recommended storage temperature:** Store at a temperature between 5 and 30°C.
- **7.3 Specific end use(s)** None

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### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · Components with limit values that require monitoring at the workplace:

###### Inhalable dust:

- Austria: limit value - 8 hours = 10 mg/m<sup>3</sup>
- Austria: limit value - short term = 20 mg/m<sup>3</sup>
- Belgium: limit value - 8 hours = 10 mg/m<sup>3</sup>
- Denmark: limit value - 8 hours = 10 mg/m<sup>3</sup>
- Denmark: limit value - short term = 20 mg/m<sup>3</sup>
- France: limit value - 8 hours = 10 mg/m<sup>3</sup> (restrictive statutory limit value)
- Germany (AGS): limit value - 8 hours = 10 mg/m<sup>3</sup>
- Germany (AGS): limit value - short term = 20 mg/m<sup>3</sup>
- Germany (DFG): limit value - 8 hours = 4 mg/m<sup>3</sup>
- Hungary: limit value - 8 hours = 10 mg/m<sup>3</sup>
- Ireland: limit value - 8 hours = 10 mg/m<sup>3</sup>
- Spain: limit value - 8 hours = 10 mg/m<sup>3</sup>
- Sweden: limit value - 8 hours = 10 mg/m<sup>3</sup>
- Switzerland: limit value - 8 hours = 10 mg/m<sup>3</sup>

###### Respirable dust:

- Austria: limit value - 8 hours = 5 mg/m<sup>3</sup>
- Austria: limit value - short term = 10 mg/m<sup>3</sup>
- Belgium: limit value - 8 hours = 3 mg/m<sup>3</sup>
- France: limit value - 8 hours = 5 mg/m<sup>3</sup> (restrictive statutory limit value)
- Germany (AGS): limit value - 8 hours = 3 mg/m<sup>3</sup>
- Germany (AGS): limit value - short term = 6 mg/m<sup>3</sup>
- Germany (DFG): limit value - 8 hours = 1.5 mg/m<sup>3</sup>
- Hungary: limit value - 8 hours = 6 mg/m<sup>3</sup>
- Ireland: limit value - 8 hours = 4 mg/m<sup>3</sup>
- Spain: limit value - 8 hours = 3 mg/m<sup>3</sup>
- Sweden: limit value - 8 hours = 5 mg/m<sup>3</sup>
- Switzerland: limit value - 8 hours = 3 mg/m<sup>3</sup>

##### · Additional information:

This sheet is based on the current valid lists for occupational exposure limit values at the time of its preparation.

#### · 8.2 Exposure controls

##### · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Provide local exhaust or general room ventilation to minimize exposure to dust.

Immediately remove all soiled and contaminated clothing.

Avoid contact with eyes and skin.

##### · Personal protective equipment

##### · Respiratory protection:

In case of insufficient ventilation:

Avoid breathing particles by wearing a dust mask (FFP3 or FFP2 as a minimum).

Avoid breathing vapors by wearing an appropriate filter cartridge mask.

##### · Hand protection

Protective gloves resistant to chemicals (standard EN 374-1). They should be replaced regularly and if there is any indication of degradation or chemical breakthrough.

##### · Eye/face protection Safety glasses (standard EN 166)

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#### · **Body protection:**

Protective work clothing.

Personnel exposed to HOT MOLTEN or HOT LIQUID material should wear protective clothing that provides protection against thermal burns.

#### · **Risk management measures**

Further information on how to manage the risks arising from dusts and from hot resins:

- HARRPA guidance - SAFE HANDLING OF HOT ROSIN/RESINS

- HARRPA guidance - RESIN DUST EXPLOSION RISKS

<http://www.harrpa.eu/>

## SECTION 9: Physical and chemical properties

### · **9.1 Information on basic physical and chemical properties**

#### · **General Information**

##### · **Physical state**

Solid

##### · **Colour:**

Yellow

##### · **Odour:**

Odourless

##### · **Odour threshold:**

Not applicable

##### · **Change in condition**

##### · **Boiling point or initial boiling point and boiling range**

Not determined

##### · **Softening point / range:**

125 °C (Ring &amp; Ball)

Method : like ASTM E28

##### · **Flammability**

Not determined.

##### · **Flash point:**

&gt; 250 °C (closed cup)

Method : like A9, Reg (EC) No 440/2008

##### · **Auto-ignition temperature:**

Not determined

##### · **Decomposition temperature:**

Not determined

##### · **pH**

Not determined

##### · **Viscosity**

##### · **Dynamic:**

Not applicable (solid)

##### · **Solubility**

##### · **In water:**

Insoluble

##### · **Partition coefficient n-octanol/water (log value)**

Not determined

##### · **Vapour pressure:**

Not determined

##### · **Density and/or relative density**

##### · **Relative density:**

Not determined

##### · **Vapour density**

Not determined.

##### · **Particle characteristics**

See item 3.

##### · **Explosive properties:**

The substance does not contain any chemical groups associated with explosive properties. In the form supplied, the product is not explosive. However fine dust clouds may form explosive mixtures with air.

##### · **Oxidising properties:**

The substance does not contain any chemical groups associated with oxidising properties.

##### · **Evaporation rate:**

Not determined

##### · **9.2 Other information**

No other data

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### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No data from specific reactivity tests are available for this product or this class of product.
- **10.2 Chemical stability**  
Product stable under storage and handling conditions according to specifications (see section 7).
- **10.3 Possibility of hazardous reactions:**  
Dust may ignite on contact with electrostatic discharge or exposure to flame or other sources of ignition
- **10.4 Conditions to avoid** Keep away from heat and sources of ignition.
- **10.5 Incompatible materials** No data available.
- **10.6 Hazardous decomposition products** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD<sub>50</sub>/LC<sub>50</sub> values relevant for classification:**  
By analogy with structurally related substances, the LD<sub>50</sub> (dermal and oral, rat) are expected to be greater than 2000 mg/kg.
- **Skin corrosion/irritation:**  
The product is not classified as a structurally related substance was not irritating in a skin irritation test in rabbits (OECD 404).
- **Serious eye damage/irritation:** Fine particles and powder may cause eye irritation by mechanical effect.
- **Skin sensitisation:**  
No evidence of a skin sensitization response was observed with a structurally related substance in a Guinea Pig Maximisation Test (GPMT - OECD 406).
- **Mutagenicity/genotoxicity:** No data available.
- **Carcinogenicity:** No data available.
- **Reproductive toxicity:** No data available.
- **Specific target organ toxicity - single exposure:** No data available.
- **Specific target organ toxicity - repeated exposure:** No data available.
- **Aspiration hazard:** Not applicable (solid).
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**  
The substance is not included in the list established in accordance with Article 59(1) of REACH regulation for having endocrine disrupting properties, and is not a substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/210056 or Commission Regulation (EU) 2018/605.

### SECTION 12: Ecological information

- **12.1 Aquatic toxicity**  
Tests carried out with a structurally related substance:  
Reliable short-term aquatic toxicity values have been determined in tests conducted with water-accommodated fractions (WAFs). This method was developed for slightly soluble substances; the initial loading rate of the substance is well higher than the solubility in water. LL<sub>50</sub> and EL<sub>50</sub>, similar to LC<sub>50</sub> and EC<sub>50</sub>, are obtained.  
EL<sub>50</sub> (48 h), Daphnia magna: > 100 mg/L (nominal concentration - OECD 202)  
NOELr (48 h), Daphnia magna: > 100 mg/L (nominal concentration - OECD 202)

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#### · 12.2 Persistence and degradability

The substance is not readily biodegradable (OECD 301 B conducted with a structurally related substance).

#### · 12.3 Bioaccumulative potential No data available.

#### · 12.4 Mobility in soil No data available.

#### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not determined.

· **vPvB:** Not determined.

#### · 12.6 Endocrine disrupting properties

The substance is not included in the list established in accordance with Article 59(1) of REACH regulation for having endocrine disrupting properties, and is not a substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/210056 or Commission Regulation (EU) 2018/605.

#### · 12.7 Other adverse effects No data available.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

· **Recommendation:** The product has to be disposed of in an authorised incinerator, according to regulation.

#### · Uncleaned packaging

· **Recommendation:** Packaging has to be sent to an authorised waste treatment facility, for recycling or disposal.

### SECTION 14: Transport information

<b>· 14.1 UN number or ID number</b>	Not classified as a dangerous good under transport regulation.
<b>· 14.2 UN proper shipping name</b>	Not classified as a dangerous good under transport regulation.
<b>· ADR</b>	Void
<b>· 14.3 Transport hazard class(es)</b>	
<b>· ADR, IMDG, IATA</b>	
<b>· Class</b>	Not classified as a dangerous good under transport regulation.
<b>· 14.4 Packing group</b>	Not applicable.
<b>· 14.5 Environmental hazards</b>	Not classified as a dangerous good under transport regulation.
<b>· 14.6 Special precautions for user</b>	Not applicable.
<b>· 14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>· UN "Model Regulation"</b>	Void

### SECTION 15: Regulatory information

#### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 (REACH):

The product does not contain any of the substances included in the following lists

- Annex XIV (authorisation) / substances of very high concern (SVHC)

- Annex XVII (restrictions)

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#### Directive 2012/18/EU:

The product does not fulfill the criteria of the hazard categories listed in Annex I Part 1 and is not listed in Part 2.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**  
Substance is not listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**  
Substance is not listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS** Substance is not listed.
- **Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**  
Substance is not listed.
- **15.2 Chemical safety assessment**  
No Chemical Safety Assessment required (the product is exempted from REACH registration).

## SECTION 16: Other information

Information provided in this safety data sheet is based on our experience and present knowledge. It is a description of safety requirements and data given on the product and cannot be considered as specifications. They shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety datasheet is provided only for information as it is not required according to article 31 of REACH regulation.

- **Emergency telephone numbers (other countries):**  
NCEC In-Country Numbers (24/24 - 7/7):  
Global / English speaking countries : +44 1865 407333  
Middle East/Africa : +44 1235 239671\* (English, Arabic, French, Portuguese, Farsi)  
Americas : +1 215 207 0061\* (English, Spanish, French, Portuguese)  
East/South East Asia : +65 3158 1074\* (English, Bengali, Cantonese, Indonesian, Hindi, Japanese, Korean, Malay, Mandarin, Sinhalese, Urdu, Tagalog, Thai, Vietnamese)  
Europe : +44 1235 239670\*  
\*(involves operator intervention to identify language)
- **Version number of previous version: 1.1**
- **Abbreviations and acronyms:**  
CLP: Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging  
H4R : Hydrocarbon Resins & Rosin Resins REACH Consortium - <https://h4rconsortium.com>  
ECHA: European CHemicals Agency  
EC: European Commission  
ISO : International Organization for Standardization  
Directive 2012/18/EU: Directive of the European Parliament and of the Council of 4 July, on the control of major-accident hazards involving dangerous substances  
IFRA : International Fragrance Association  
OECD: Organisation for Economic Co-operation and Development  
ECVAM : European Centre for the Validation of Alternative Methods  
QSAR: Quantitative Structure Activity Relationship  
DNA: DeoxyriboNucleic Acid  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: very Persistent and very Bioaccumulative substance.  
UVCB: Substances of unknown or variable composition, complex reaction products or biological materials  
SVHC: Substances of Very High Concern  
BCF: Bioconcentration Factor

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CMR: Substance classified as Carcinogenic, Mutagenic or Toxic for Reproduction

Koc: Organic carbon/water partition coefficient. It represents the potential of retention of the substance on soil organic matter

NOEL: No Observed Effect Level

NOELr: Initial loading rate of the substance without observed effect

NOAEL: No Observed Adverse Effect Level

NOEC: No Observed Effect Concentration

NOAEC: No Observed Adverse Effect Concentration

LOEC: Lowest Observed Effect Concentration

LOAEC: Lowest Observed Adverse Effect Concentration

LOAEL: Lowest Observed Adverse Effect Level

EC<sub>10</sub>: Concentration which leads to a 10% reduction in treated organism responses compared to untreated organism responses (algae) or concentration which causes effects to 10 % of the tested organisms (daphnids)

EC<sub>50</sub>: Concentration which leads to a 50% reduction in treated organism responses compared to untreated organism responses (algae) or concentration which causes effects to 50 % of the tested organisms (daphnids)

EL<sub>50</sub>: Loading rate which leads to a 50 % reduction in treated organisms responses compared to untreated organism responses (algae) or loading rate which causes effects to 50 % of the tested organisms (daphnids)

LC<sub>50</sub>: Lethal concentration for 50% of exposed animals

LD<sub>50</sub>: Lethal dose for 50% of animals exposed by oral or dermal route

LL<sub>50</sub>: Median lethal loading rate (lethal level for 50 % of fish exposed)

LC100: Lethal concentration for 100% of exposed animals

GPMT: Guinea Maximisation Test - Magnusson and Kligman test

LLNA: Local Lymph Node Assay

CO<sub>2</sub>: Carbon dioxide

NLP: No Longer Polymer

bw: body weight

dw: dry weight

ww: wet weight

ppm: parts per million

• **Sources:** Literature and company data

• **Modified data compared to the previous version:**

The SDS has been updated according to Regulation (EU) 2020/878, amending Annex II of Regulation (EC) No 1907/2006 (change of sections: 1, 2, 3, 9, 11, 12, 14).

Change of emergency response service