

1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name: DERTOPHENE T**
- **Article number:**
007615
017615
- **Registration number:**
No REACH registration is required for this product as polymers are exempted according to Article 2 of Regulation (EC) No 1907/2006. The monomers have been registered.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Relevant identified uses: production and distribution of the substance, adhesives, putties
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
LES DERIVES RESINIQUES ET TERPENIQUES (DRT)
30 rue Gambetta
BP 206
F-40105 DAX CEDEX
FRANCE
Tel: 33-(0)558566200
Fax: 33-(0)558566222
Email: fds@drf.fr
- **1.4 Emergency telephone number**
Check your local/national emergency telephone number on the following sites:
http://echa.europa.eu/help/nationalhelp_contact_en.asp
<http://www.who.int/ipcs/poisons/centre/directory/en/> (IPCS directory of poison centres)

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.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC:**
The substance is not classified according to Directive 67/548/CEE.
- **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:**
May cause slight irritation by prolonged skin contact.
Fine particles and powder may cause eye irritation by mechanical effect.
- **2.3 Other hazards**
Resin dust may ignite on contact with electrostatic discharge or exposure to flame or other sources of ignition.
- **Results of PBT and vPvB assessment**
- **PBT:** Not determined.
- **vPvB:** Not determined.

3 Composition/information on ingredients

- **3.1 Chemical characterization:** Substance polymer
- **Identification number(s)**
- **EC number:** All monomers are listed.

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· **Description:** Terpene phenolic resin

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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:**

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

· **After eye contact:**

Remove contact lenses if present and easy to do. Hold eyelids apart and flush eyes with plenty of cool low-pressure water for 15 minutes. If irritation occurs, consult a doctor.

· **After swallowing:**

Do NOT induce vomiting.
If the person is conscious, rinse out mouth with water.
Call for a doctor immediately.

· **4.2 Most important symptoms and effects** No data available.

· **4.3 Indication of any immediate medical attention and special treatment needed** No specific indications.

5 Firefighting measures

· **5.1 Suitable extinguishing agents**

Carbon dioxide (CO₂), foam, fire-extinguishing powder, water spray.
Fight larger fires with water spray or foam.

· **5.2 Special hazards arising from the substance or mixture** Irritant and acrid fumes

· **5.3 Advice for firefighters**

· **Protective equipment:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear 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 cleaning up/collecting**

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 Additional information (reference to other sections)**

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

· 7.1 Precautions for safe handling

Wear personal protective equipment. Provide adequate ventilation.

Prevent 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.

· 7.2 Conditions for safe storage

Store in a dry, cool and well-ventilated area.

Store only in the original container.

Provide storage areas with suitable ventilation to eliminate dusts.

All equipment including ventilation systems must be equipotential and earthed.

Avoid dust formation close to sources of ignition.

Protect from heat and direct sunlight.

· Further information about storage conditions:

· Maximum storage temperature: 30°C

· 7.3 Specific end use(s) None

8 Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

Dust, inhalable:

Austria: limit value - 8 hours = 10 mg/m³

Austria: limit value - short term = 20 mg/m³

Belgium: limit value - 8 hours = 10 mg/m³

Denmark: limit value - 8 hours = 10 mg/m³

Denmark: limit value - short term = 20 mg/m³

France: limit value - 8 hours = 10 mg/m³ (restrictive statutory limit value)

Germany (AGS): limit value - 8 hours = 10 mg/m³

Germany (AGS): limit value - short term = 20 mg/m³

Germany (DFG): limit value - 8 hours = 4 mg/m³

Hungary: limit value - 8 hours = 10 mg/m³

Spain: limit value - 8 hours = 10 mg/m³

Sweden: limit value - 8 hours = 10 mg/m³

Switzerland: limit value - 8 hours = 10 mg/m³

Dust, respirable:

Austria: limit value - 8 hours = 5 mg/m³

Austria: limit value - short term = 10 mg/m³

Belgium: limit value - 8 hours = 3 mg/m³

France: limit value - 8 hours = 5 mg/m³ (restrictive statutory limit value)

Germany (AGS): limit value - 8 hours = 3 mg/m³

Germany (AGS): limit value - short term = 6 mg/m³

Germany (DFG): limit value - 8 hours = 1.5 mg/m³

Hungary: limit value - 8 hours = 6 mg/m³

Spain: limit value - 8 hours = 3 mg/m³

Sweden: limit value - 8 hours = 5 mg/m³

Switzerland: limit value - 8 hours = 3 mg/m³

· Additional information: This sheet is based on the current valid lists.

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- **8.2 Exposure controls**
- **Personal protective equipment**
- **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.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**
Protective gloves resistant to chemicals (standard EN 374-1). Gloves should be discarded and replaced regularly. They should be replaced immediately if there is any indication of degradation or chemical breakthrough.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Solid
Colour:	Yellow
Odour:	Odourless
Odour threshold:	Not determined

· Change in condition

Boiling point/Boiling range:	Not determined
Fusion temperature / range:	92 - 98°C

· **Flash point:** > 200°C (closed cup)

· **Auto-ignition temperature:** Not determined

· **Decomposition temperature:** Not determined

· **Danger of explosion:** 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.

· **Oxidizing properties:** The substance does not contain any chemical groups associated with oxidizing properties.

· **Vapour pressure:** Not determined

· Density:

Relative density 1.03 (20°C)

· **Evaporation rate:** Not determined

· **Solubility in / Miscibility with water:**

Not soluble or slightly soluble

· **Partition coefficient (n-octanol/water):** Not determined

· Viscosity:

Dynamic: Not applicable (solid)

· **9.2 Other information** No other data

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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** The product is stable when used according to specifications.
- **10.3 Possibility of hazardous reactions**
In the form supplied, the product is not explosive; however, dust production may induce risk of explosion.
- **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.

11 Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity:

· LD₅₀/LC₅₀ values relevant for classification:

Oral	LD ₅₀	> 2000 mg/kg (rat) (OECD 401)
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· Primary irritant effect:

· on the skin:

May cause irritation by prolonged skin contact. However, based on available data, the classification criteria are not met.

· on the eye:

Fine particles and powder may cause eye irritation by mechanical effect.

· Sensitization:

No data available.

· 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).

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. LL₅₀ and EL₅₀, similar to LC₅₀ and EC₅₀, are obtained.

EL₅₀ (48 h), Daphnia magna: > 100 mg/L (nominal concentration - OECD 202)

NOELr (48 h), Daphnia magna: > 100 mg/L (nominal concentration - OECD 202)

· 12.2 Persistence and degradability

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 Other adverse effects

No data available.

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13 Disposal considerations**· 13.1 Waste treatment methods****· Recommendation:**

After prior treatment the product has to be disposed of in an incinerator for special waste adhering to the regulations pertaining to the disposal of special waste.

· Uncleaned packaging**· Recommendation:** Dispose of content/container in accordance with local/regional/national/international regulations.**14 Transport information****· 14.1 UN-Number** Not classified as a dangerous good under transport regulation.**· 14.2 UN proper shipping name** Not classified as a dangerous good under transport regulation.**· 14.3 Transport hazard class(es)****· ADR, IMDG, IATA****· Class**

Not classified as a dangerous good under transport regulation.

· 14.4 Packing group

Not applicable.

· 14.5 Environmental hazards:

Not classified as a dangerous good under transport regulation.

· 14.6 Special precautions for user:

Not applicable.

· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

· UN "Model Regulation":

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15 Regulatory information**· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No 1907/2006 (REACH)

- Annex XIV (authorisation) / substances of very high concern: the product does not contain any substances listed.

- Annex XVII (restrictions): the product does not contain any substances listed.

· 15.2 Chemical safety assessment

No Chemical Safety Assessment required (the product is exempted from REACH registration).

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 substance and the product 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.

· Abbreviations and acronyms:

CLP: Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging

EC₅₀: Loading rate which causes effects to 50 % of the tested organisms (daphnids)EL₅₀: Loading rate which causes effects to 50 % of the tested organisms (daphnids)LC₅₀: Lethal concentration for 50 % of exposed animalsLL₅₀: Median lethal loading rate (lethal level for 50 % of fish exposed)LD₅₀: Lethal dose for 50 % of animals exposed by oral or dermal route

NOELr: Initial loading rate of the substance without observed effect

OECD: Guidelines from the Organisation for Economic Co-operation and Development

PBT: Persistent, Bioaccumulating and Toxic substance.

vPvB: very Persistent and very Bioaccumulating substance.

· Sources: Literature and company data

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according to 1907/2006/EC, Article 31

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· **Data compared to the previous version altered:**

Further to the full revision of the safety data sheet in accordance with Regulation (EC) n° 1907/2006 (REACH) and Regulation (EC) n° 1272/2008 (CLP), subsection numbers were added.

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