

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

Printing date: 18.01.2023

Version number 3.1 (replaces version 3.0)

Revision date: 18.01.2023

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

- **1.1 Product identifier**
- **Trade name: DERMULSENE® 222**
- **UFI:** not available as this product is not classified as hazardous.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Relevant identified uses: adhesives
- **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@drf.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 product is not classified, according to the CLP regulation.
- **Information concerning particular hazards for human and environment:**
May cause slight irritation by prolonged skin contact.
May cause slight irritation by prolonged eyes contact.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008:** Void
- **Hazard pictograms** Void
- **Signal word:** Void
- **Hazard statements:** Void
- **Additional information:**
EUH 208 – contains CIT/MIT 3:1 (reaction mass : of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) – CAS RN 55965-84-9). May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not determined.
- **vPvB:** Not determined.
- **Determination of endocrine-disrupting properties**
The components of the mixture are not included in the list established in accordance with Article 59(1) of REACH regulation for having endocrine disrupting properties, and are not 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.

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SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Waterborne dispersion of resins

· **Hazardous components:** Void

· **Additional information:**

For the wording of the listed hazard phrases refer to section 16.

REACH status:

DRT certifies that:

- this product is in agreement with REACH Regulation,

- all non-exempted substances of the mixture have been REACH registered ; others substances of the mixture are thus exempted (polymers, biocides).

However the composition of this product is partially confidential. Therefore, the registration numbers of the registered substances of this mixture cannot be disclosed.

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:**

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:**

Immediately rinse with plenty of water. 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. Consult an ophthalmologist.

· **After swallowing:**

If the person is conscious, rinse out mouth with water.

Do not induce vomiting.

In case of lasting symptoms, consult a doctor.

· **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** No specific indications.

SECTION 5: Firefighting measures

· **5.1 Suitable extinguishing agents**

Carbon dioxide (CO₂), foam, fire-extinguishing powder, water spray.

Fight large fires with water spray or foam.

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:**

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

· **Additional information:** Cool endangered receptacles with water spray.

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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.

· 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

Small spills:

Absorb spilled liquid with inert absorbent. Collect in an appropriate container properly labelled. Close it for disposal.

Large spills:

Stop spill if it can be done without danger. Dike. Pump as much liquid as possible with an explosion-proof pump or a hand pump. Absorb the remaining liquid with inert absorbent. Collect in an appropriate container properly labelled.

Close it 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.

· Information about fire - and explosion protection:

Protect from heat.

Keep ignition sources away.

· 7.2 Conditions for safe storage

Store if possible under cover in a cool well-ventilated location.

Store only in the original container.

Keep container tightly sealed.

Keep away from sources of ignition.

Protect from heat and direct sunlight.

Protect from frost.

· Further information about storage conditions:

· Recommended storage temperature:

Store at a temperature between 5 and 35°C.

This product can be spoilt irreversibly if subjected to froze or to prolonged heat.

· 7.3 Specific end use(s) None

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with limit values that require monitoring at the workplace: None

· Additional information:

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

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· 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.

Immediately remove all soiled and contaminated clothing.

Avoid contact with eyes and skin.

· Personal protective equipment

· Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

· 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)

· Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Liquid

· Colour:

White

· Odour:

Odourless

· Odour threshold:

Not applicable

· Change in condition

· Melting/freezing point:

Not determined

· Boiling point or initial boiling point and boiling range 100 °C (like OECD 102)

· Flammability

Not determined.

· Flash point:

>200 °C (closed cup)

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

· Auto-ignition temperature:

Not determined

· Decomposition temperature:

Not determined

· pH at 20 °C

8 - 9 (like OECD 122)

· Viscosity

· Dynamic at 20 °C:

100 - 800 Pa.s (like OECD 114)

· Solubility

· In water:

This product is a waterborne dispersion.

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

Not determined

· Vapour pressure:

Not determined

· Density and/or relative density

· Relative density at 20 °C:

1,02 (like OECD 109)

· Vapour density

Not determined.

· Particle characteristics

See item 3.

· Explosive properties:

The components of the mixture do not contain any chemical groups associated with explosive properties.

· Oxidising properties:

The components of the mixture do not contain any chemical groups associated with oxidizing properties.

· Evaporation rate:

Not determined

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· 9.2 Other information

No other data

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:** No decomposition if used and stored according to specifications.
- **10.4 Conditions to avoid** This product can be damaged irreparably if frozen or subjected to prolonged heat.
- **10.5 Incompatible materials** Acids and cationic chemicals
- **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.
- **LD₅₀/LC₅₀ values relevant for classification:** LD₅₀ for the components of the mixture are > 2000 mg/kg (oral, rat).
- **Skin corrosion/irritation:**
May cause irritation by prolonged skin contact. However, based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:**
May be irritating to the eyes. However, based on available data, the classification criteria are not met.
- **Skin sensitisation:**
No data available on the product itself. EUH 208 - Contains CIT/MIT 3:1 (reaction mass: of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] ; and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS RN 55965-84-9). May produce an allergic reaction.
- **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:** No aspiration hazard expected.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**
The components of the mixture are not included in the list established in accordance with Article 59(1) of REACH regulation for having endocrine disrupting properties, and are not 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** No data available.
- **12.2 Persistence and degradability** No data available.
- **12.3 Bioaccumulative potential** No data available.
- **12.4 Mobility in soil** No data available.

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

- **PBT:** Not determined.
- **vPvB:** Not determined.

· **12.6 Endocrine disrupting properties**

The components of the mixture are not included in the list established in accordance with Article 59(1) of REACH regulation for having endocrine disrupting properties, and are not 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** National and regional regulations have to be adhered to.
- **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

· 14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation"	-

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)

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.

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **15.2 Chemical safety assessment** No Chemical Safety Assessment has been carried out for this mixture.

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.

· **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: 3.0**

· **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

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BCF: Bioconcentration Factor
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
EC₁₀: 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)
EC₅₀: 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)
EL₅₀: 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)
LC₅₀: Lethal concentration for 50% of exposed animals
LD₅₀: Lethal dose for 50% of animals exposed by oral or dermal route
LL₅₀: 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
CO₂: 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:** Modification of the biocide