

Product:

ROSINOX

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SDS No.: 003882-001 (Version 3.2)

Date 19.08.2025 (Cancel and replace : 18.03.2022)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Substance name: ROSINOX

REACH Registration Number: According to REACH regulation, article 2(9), the substance does not require registration.

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

Use of the Substance/Mixture : Disproportionation and bleaching agent for rosin and rosin ester

1.3. Details of the supplier of the safety data sheet

Supplier	MLPC International 209, Avenue Charles Despiau F-40370 RION-DES-LANDES, France Telephone: + 33 (0)5 58 57 02 00 E-mail address: pars-drp-fds@arkema.com http://www.arkema.com
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Manufacturer	ARKEMA B.V. Headquarters Postbus 6030 3196 XH VONDELINGENPLAAT/ROTTERDAM, Netherlands Telephone: + 31 (0)10 472 5100 Telefax: + 31 (0)10 472 5314
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1.4. Emergency telephone number

+ 33 1 49 00 77 77
European emergency phone number: 112
+1-703-741-5970 (CHEMTREC International emergency phone number)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008):

Skin sensitisation, 1, H317
 Chronic aquatic toxicity, 4, H413

Additional information:

For the full text of the H, EUH-phrases mentioned in this Section, see Section 16.

2.2. Label elements

Label elements (REGULATION (EC) No 1272/2008):

Hazardous components which must be listed on the label:

CAS-No. : 60303-68-6	Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)
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Hazard pictograms:



Signal word:

Warning

Hazard statements:

H317 : May cause an allergic skin reaction.
 H413 : May cause long lasting harmful effects to aquatic life.

Precautionary statements:

Prevention:

P261 : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P273 : Avoid release to the environment.

Response:

P302 + P352 : IF ON SKIN: Wash with plenty of water.
P333 + P313 : If skin irritation or rash occurs: Get medical advice/ attention.

2.3. Other hazards

Potential health effects:

Inhalation: Inhalation of vapours due to thermal decomposition : Risk of irritation of respiratory system Toxic effects cannot be excluded
Skin contact: May cause sensitisation by skin contact.
Eye contact: Slightly irritating to eyes.
Ingestion: Slightly or not harmful by ingestion

Environmental Effects:

Not hydrolysable Potentially bioaccumulable

Physical and chemical hazards:

Thermal decomposition giving flammable and toxic products
Decomposition products: See chapter 10

Other:

Results of PBT and vPvB assessment :

Based on the available information, it is not possible to conclude on PBT and vPvB criteria according to REACH regulation, annex XIII.

Endocrine disrupting properties - Health :

Based on the available information, it is not possible to conclude on the endocrine disruptor potential.

Endocrine disrupting properties - Environment :

Based on the available information, it is not possible to conclude on the endocrine disruptor potential.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical name ¹ & REACH Registration Number ²	EC-No.	CAS-No.	Concentration	Classification REGULATION (EC) No 1272/2008	specific concentration limit, M-Factors, Acute toxicity estimate
Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	-	60303-68-6	< 100 %	Skin Sens.1A; H317 Aquatic Chronic4; H413	

Hazardous impurities :

Chemical name ¹	EC-No.	CAS-No.	Concentration	Classification REGULATION (EC) No 1272/2008	specific concentration limit, M-Factors, Acute toxicity estimate
Sulfur (N° ANNEX: 016-094-00-1)	231-722-6	7704-34-9	<= 4 %	Skin Irrit.2; H315	

¹: See chapter 14 for Proper Shipping Name
For the full text of the H, EUH-phrases mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of necessary first-aid measures:

General advice:

Take off immediately all contaminated clothing.

Inhalation:

Move to fresh air. Oxygen or artificial respiration if needed. In case of persistent problems : Consult a physician.

Skin contact:

Wash off immediately with plenty of water. If skin irritation or rash occurs: Get medical advice/ attention.

Eye contact:

Wash well-open eyes immediately, abundantly and thoroughly with water. If irritation persists, consult an ophthalmologist.

Ingestion:

In case of problems : Consult a doctor.

Protection of first-aiders:

In case of insufficient ventilation, wear suitable respiratory equipment. Protective suit.

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

Treatment:Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Foam, Dry powder, Carbon dioxide (CO2)

5.2. Special hazards arising from the substance or mixture:

Thermal decomposition giving flammable and toxic products :, Sulphur oxides, Carbon oxides

5.3. Advice for firefighters:

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Prohibit contact with skin and eyes and inhalation of dust. Wear suitable gloves. Sweep up to prevent slipping hazard.

6.2. Environmental precautions:

Do not release into the environment.

6.3. Methods and materials for containment and cleaning up:

Recovery:

Recover the product.

Elimination:

Destroy the product by incineration (in accordance with local and national regulations).

6.4. Reference to other sections: None.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Technical measures/Precautions:

Storage and handling precautions applicable to products: Solid (pellets). Sensitizing. Provide appropriate exhaust ventilation at machinery. Provide showers, eye-baths. Provide self-contained breathing apparatus nearby (for emergency intervention). Only use safety equipment.

Safe handling advice:

Avoid dust formation.

Hygiene measures:

Prohibit contact with skin and eyes and inhalation of dust. When using do not eat, drink or smoke. Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.

Incompatible products:

Strong oxidizing agents

Packaging material:

Recommended: Cardboard lined with polyethylene liner

7.3. **Specific end use(s):** None.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. **Control parameters:**

Exposure Limit Values (dust)

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
ACGIH (US)	03 2014	TWA	–	3	Respirable particles.
ACGIH (US)	03 2014	TWA	–	10	Inhalable particles.

Exposure Limit Values Not relevant

Derived No Effect Level (DNEL):

According to REACH regulation, article 2(9), the substance does not require registration.

Therefore, this information is not required.

Predicted No Effect Concentration:

According to REACH regulation, article 2(9), the substance does not require registration.

Therefore, this information is not required.

8.2. **Exposure controls:**

General protective measures: Ensure sufficient air exchange and/or exhaust in work areas

Personal protective equipment:

Respiratory protection: In the case of hazardous fumes, wear self contained breathing apparatus.
Hand protection: Gloves (synthetic rubber, plastic materials)
Eye/face protection: Safety glasses
Skin and body protection: Protective suit

Environmental exposure controls:

See chapter 6

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. **Information on basic physical and chemical properties**

Appearance:

Physical state (20°C): solid
Form: Pastilles
Colour: dark amber
Odour: No data available.
Odour Threshold: No data available.
Softening point : 105 °C
Boiling point/boiling range: No data available.
Flammability: No data available.
Lower explosion limit : No data available.
Upper explosion limit : No data available.
Flash point: closed cup: > 250 °C (Standard ASTM D 3278)
open cup: 263 °C (Standard NF T 60 118)
Auto-ignition temperature: No data available.
Decomposition temperature: 217 °C
pH: Not applicable
Viscosity, kinematic: No data available.
Viscosity, dynamic: 1.100 mPa.s , at 150 °C
Water solubility: < 1 mg/l insoluble at 25 °C
Solubility in other solvents: Soluble in: Toluene > 600 g/l , at 25 °C
Ethanol 15 - 20 g/l , at 25 °C
Acetone 30 - 40 g/l , at 25 °C
Partition coefficient: n-octanol/water: log Kow : > 6,2 , at 22 °C (OECD Test Guideline 117)
Vapour pressure: Not applicable

Density:	1.175 kg/m ³ , at 80 °C 1.163 kg/m ³ , at 110 °C
Relative vapour density:	No data available.
Particle characteristics:	No data available
Particle size:	No data available

9.2. Other information:

Bulk density:	805 kg/m ³ , at 20 °C
Explosive properties:	
Explosivity:	Not relevant (due to its chemical structure)
Oxidizing properties:	Not relevant (due to its chemical structure)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

No hazards to be specially mentioned.

10.2. Chemical stability:

The product is stable at ambient temperature

10.3. Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid:

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials to avoid:

Strong oxidizing agents

10.6. Hazardous decomposition products:

Thermal decomposition:

Decomposition temperature: 217 °C

Thermal decomposition giving flammable and toxic products :, Carbon oxides, Sulphur oxides

SECTION 11: TOXICOLOGICAL INFORMATION

All available and relevant data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:

Inhalation:

Inhalation of vapours due to thermal decomposition:, Risk of irritation of respiratory system, Toxic effects cannot be excluded

Ingestion:

• In animals :

Slightly harmful by ingestion

No mortality/Rat: 2.000 mg/kg (Method: OECD Test Guideline 401) , No specific toxic effects

Dermal:

• In animals :

Slightly harmful in contact with skin.

No mortality/Rat: 2.000 mg/kg (Method: OECD Test Guideline 402), No specific toxic effects

Local effects (Corrosion / Irritation / Serious eye damage):

Skin contact:

• In animals :

Slightly irritating to skin According to its composition : Causes mild skin irritation.

Mild skin irritation (OECD Test Guideline 404, Rabbit, Exposure time: 4 h)

Presence of :

SULFUR :

• In animals :

Skin irritation (OECD Test Guideline 404, Rabbit, Exposure time: 4 h)

Eye contact:

• In animals :

Slightly irritating to eyes

Mild eye irritation (OECD Test Guideline 405, Rabbit)

Respiratory or skin sensitisation:

Inhalation:

No data available.

Skin contact:
• In animals : **May cause an allergic skin reaction.**
Strong sensitizing effects by skin contact. (Method: OECD Test Guideline 406 Guinea pig maximization test)

CMR effects :

Mutagenicity: **Based on the available information, it is not possible to conclude on the hazard potential of this product.**

In vitro

Inactive in genotoxic in vitro tests
Ames test in vitro: (Method: OECD Test Guideline 471)
In vitro chromosomal abnormality test on human lymphocytes: (Method: OECD Test Guideline 473)

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity :

Single exposure : No data available.

Repeated exposure: No data available.

Aspiration hazard:

Not applicable

11.2. Information on other hazards:

Endocrine disrupting properties: **Based on the available information, it is not possible to conclude on the endocrine disruptor potential.**

Other information: Not relevant

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicology Assessment: All available and relevant data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

Chronic aquatic toxicity : May cause long lasting harmful effects to aquatic life.

12.1. Toxicity :

Fish: **No effect up to the limit of solubility**
LL50, 96 h (Danio rerio (zebra fish)) : > 1.000 mg/l (Method: OECD Test Guideline 203) No effect up to the limit of solubility

Aquatic invertebrates: **No effect up to the limit of solubility**
LL50, 48 h (Daphnia magna (Water flea)) : > 995,8 mg/l (Method: OECD Test Guideline 202) No effect up to the limit of solubility

Aquatic plants: **No effect up to the limit of solubility**
LL50, 72 h (Pseudokirchneriella subcapitata (green algae)) : > 998 mg/l (Method: OECD Test Guideline 201, growth rate inhibition) No effect up to the limit of solubility

Aquatic toxicity / Long term toxicity:

Aquatic plants: ErL10, 72 h (Pseudokirchneriella subcapitata (green algae)) : > 998 mg/l (Method: OECD Test Guideline 201, growth rate inhibition) No effect up to the limit of solubility

12.2. Persistence and degradability :

In water: **Not hydrolysable**

Stability in water:
Not hydrolysable
(at 50 °C and pH 4 - 9)
Method: OECD Test Guideline 111

Biodegradation (In water): **Inert polymer Not biodegradable on the basis of its structure**

12.3. Bioaccumulative potential :

Bioaccumulation: **Potentially bioaccumulable.**
Partition coefficient: n-octanol/water: log Kow : > 6,2 , at 22 °C (Method: OECD Test Guideline 117)

12.4. Mobility in soil - Distribution among environmental compartments:

Vapor pressure: Not applicable,

12.5. Results of PBT and vPvB assessment :

Based on the available information, it is not possible to conclude on PBT and vPvB criteria according to REACH regulation, annex XIII.

12.6. Endocrine disrupting properties:

Based on the available information, it is not possible to conclude on the endocrine disruptor potential.

12.7. Other adverse effects:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Disposal of product: Destroy the product by incineration (in accordance with local and national regulations).

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

Safety data sheets: accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s)

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Listed in:

EU. REACH, Annex XVII, entry 78, Synthetic polymer microparticles (Regulation 1907/2006/EC):
The synthetic polymer microparticles supplied are subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

Component	Concentration
(3911) Petroleum resins, coumarone-indene resins, polyterpenes, polysulphides, polysulphones and other products specified in Note 3 to this Chapter, not elsewhere specified or included	90 - 100 %

15.2. Chemical safety assessment:

A Chemical Safety Assessment is not required for this substance.

INVENTORIES:

European union/EEA : In the event of purchase from an Arkema legal entity based in the European Economic Area (EEA), it is established that this product complies with the registration provisions of REACH Regulation (EC) No. 1907/2006, given that all of its components are excluded, exempted and / or registered. If purchasing from a legal entity established outside the EEA, please contact your local representative for more information.

- TSCA (USA) : The components of this product are all on the TSCA Inventory
- DSL/NDSL (CA) : All components of this product are on the Canadian DSL
- IECSC (CN) : All components of this product are listed or exempted
- ENCS (JP) : All components of this product are listed or exempted
- ISHL (JP) : All components of this product are listed or exempted
- KECI (KR) : Not all components of this product are listed or exempted
- PICCS (PH) : The mixture contains a polymer. All the monomers for this polymer & other substances are listed on the inventory.
- NZIOC (NZ) : Not all components of this product are listed or exempted
- AIIC (AU) : Not all components of this product are listed or exempted
- TCSI (TW) : All components of this product are listed or exempted

SECTION 16: OTHER INFORMATION

Full text of H, EUH-phrases referred to under sections 2 and 3

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

H413 May cause long lasting harmful effects to aquatic life.

Update:

Safety datasheet sections which have been updated:		Type:
12	Endocrine disrupting properties	Additions
15	EU. REACH, Annex XVII, entry 78, Synthetic polymer microparticles (Regulation 1907/2006/EC)	Additions

Thesaurus:

NOAEL : No Observed Adverse Effect Level (NOAEL)
LOAEL : Lowest Observed Adverse Effect Level (LOAEL)
bw : Body weight
food : oral feed
dw : Dry weight
vPvB : very Persistent and very Bioaccumulative
PBT : Persistent, Bioaccumulative and Toxic

This information applies to the PRODUCT AS SUCH and conforming to specifications of ARKEMA. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).