

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

1.1. Product identifier

Product form : Mixture
Product name : PINUS PINASTER WATER (SB)
Product code : 340240
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Cosmetic ingredient

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GREENTECH
Biopôle Clermont Limagne
63360 SAINT BEAUZIRE - FRANCE
T + 33 473 33 99 00 - F 04 73 33 91 32
greentech@greentech.fr

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Worldwide	World directory of poisons centres (Yellow Tox) WHO-OMS		http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not established.

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
PINUS PINASTER BARK WATER		90 - 99	Not classified
AQUA	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2 (REACH-no) Exempted annex IV	0,1 - 1	Not classified
CITRIC ACID	(CAS-No.) 5949-29-1 (EC-No.) 201-069-1 (REACH-no) 01-2119457026-42	0,1 - 1	Eye Irrit. 2, H319
SODIUM BENZOATE	(CAS-No.) 532-32-1 (EC-No.) 208-534-8 (REACH-no) 01-2119460683-35	0,1 - 1	Eye Irrit. 2, H319

PINUS PINASTER WATER (SB)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

POTASSIUM SORBATE	(CAS-No.) 24634-61-5 (EC-No.) 246-376-1 (REACH-no) 01-2119950315-41	0,1 - 1	Eye Irrit. 2, H319
-------------------	---	---------	--------------------

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Assure fresh air breathing. Respiratory problems: consult a doctor/medical service. Allow the victim to rest.
First-aid measures after skin contact	: Rinse with water. Soap may be used. If irritation persists, consult a doctor. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Do not apply (chemical) neutralizing agents. Consult an ophthalmologist if irritation persists. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth out with water. Immediately after ingestion: give lots of water to drink. Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation	: Irritation of the nasal mucous membranes. May cause respiratory irritation.
Symptoms/effects after eye contact	: Redness of the eye tissue. Not irritating.
Symptoms/effects after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Carbon dioxide. Dry powder. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid. direct fire hazard.
Explosion hazard	: No direct explosion hazard.
Reactivity in case of fire	: Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein. On burning: release of carbon monoxide - carbon dioxide. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (some) acids: (increased) risk of fire/explosion.

5.3. Advice for firefighters

Firefighting instructions	: Evacuate area. Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Cool adjacent tanks / containers / drums with water jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Mark the danger area. Exposure to heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes.
------------------	--

6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. Wear suitable respiratory equipment. Avoid contact with skin and eyes. Evacuate area.
Emergency procedures	: If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade). Evacuate the danger area. Stop leak if safe to do so. Ventilate area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. Wear suitable respiratory equipment. Avoid contact with skin and eyes. Equip cleanup crew with proper protection.
Emergency procedures	: If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade). Evacuate the danger area. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

PINUS PINASTER WATER (SB)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

6.3. Methods and material for containment and cleaning up

For containment	: Dike for recovery or absorb with appropriate material. Stop leak if safe to do so.
Methods for cleaning up	: This material and its container must be disposed of in a safe way, and as per local legislation. Notify authorities if product enters sewers or public waters. Take up liquid spill into absorbent material. Clean with detergents. Avoid solvent cleaners. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information	: Comply with local regulations for disposal.

6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from sources of ignition - No smoking. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
-------------------------------	--

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in original container. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.
Information on mixed storage	: Keep away from. Heat sources. Strong bases. OXIDIZING AGENTS. Strong acids.
Storage area	: Store in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colorless to light yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 3,4 - 4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available

PINUS PINASTER WATER (SB)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0,95 - 1,05
Solubility	: Water: Soluble Ethanol: Soluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein. On burning: release of carbon monoxide - carbon dioxide. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (some) acids: (increased) risk of fire/explosion.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Avoid shock and friction. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

CITRIC ACID (5949-29-1)	
LD50 oral rat	11,7 mg/kg Method: OECD Guideline 401
LD50 oral	5,4 mg/kg Method: OECD Guideline 401
LD50 dermal rat	> 2000 mg/kg
LD50 dermal	725 mg/kg Application: intraperitoneal (rat)
LD50 Mouse	940 mg / kg Application: intraperitoneal

Skin corrosion/irritation	: Not classified pH: 3,4 - 4
Serious eye damage/irritation	: Not classified pH: 3,4 - 4
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

PINUS PINASTER WATER (SB)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Not classified

CITRIC ACID (5949-29-1)

LC50 fish 1	440 mg/l Poisson : Leuciscus idus(Ide) Durée d'exposition: 48 h Type de Test: Essai en statique Méthode: OCDE ligne directrice 203
LC50 fish 2	1,535 mg/l Daphnia magna (Great daphnia) Exposure time: 24 h Test Type: Static test
NOEC (acute)	425 mg/l Scenedesmus quadricauda (green algae) Exposure time: 8 days Test Type: Static test

12.2. Persistence and degradability

CITRIC ACID (5949-29-1)

Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	0,526 g O ₂ /l
Chemical oxygen demand (COD)	0,728 g O ₂ /l
Biodegradation	97 % Readily biodegradable Method: OECD Guideline 301B

12.3. Bioaccumulative potential

CITRIC ACID (5949-29-1)

Log Pow	-1,8 - -0,2
Bioaccumulative potential	This product is water miscible and readily biodegradable in water and soil. Bioaccumulation should not be expected.

12.4. Mobility in soil

CITRIC ACID (5949-29-1)

Ecology - soil	Biodegradability in soil: no data available.
----------------	--

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Additional information : Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or kieselguhr. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.
Ecology - waste materials : Remove to an authorized waste treatment plant. Do not discharge into drains or the environment. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not established.
UN-No. (IMDG) : Not established.
UN-No. (IATA) : Not established.
UN-No. (ADN) : Not established.
UN-No. (RID) : Not established.

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not established.
Proper Shipping Name (IMDG) : Not established.
Proper Shipping Name (IATA) : Not established.
Proper Shipping Name (ADN) : Not established.
Proper Shipping Name (RID) : Not established.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not established.

PINUS PINASTER WATER (SB)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

IMDG

Transport hazard class(es) (IMDG) : Not established.

IATA

Transport hazard class(es) (IATA) : Not established.

ADN

Transport hazard class(es) (ADN) : Not established.

RID

Transport hazard class(es) (RID) : Not established.

14.4. Packing group

Packing group (ADR) : Not established.

Packing group (IMDG) : Not established.

Packing group (IATA) : Not established.

Packing group (ADN) : Not established.

Packing group (RID) : Not established.

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Not established.

Transport by sea

Not established.

Air transport

Not established.

Inland waterway transport

Not established.

Rail transport

Not established.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not established.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation.

SDS EU (REACH Annex II)

PINUS PINASTER WATER (SB)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product