



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
BHA Natural Salicylic Acid

1. Identification of the substance/mixture and company

Trade name:	BHA Natural Salicylic Acid
	Aqueous extract from the bark of the black willow tree
INCI	Salix nigra bark extract, Aqua
CAS No. :	84650-64-6
EINECS/EC No. :	283-522-3
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	Elemental SRL , Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification

GHS / CLP

Basis for Classification: Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011)

USA

OSHA Regulatory Status: This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).

Europe

Basis for Classification: -According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

-This product is not classified as hazardous to health or environment according to the CLP regulation.

2.2 Labeling Elements

Pictogram: No hazard symbol expected

Hazard statements/Signal Word: Not applicable

Precautionary statements:

P233: Keep container tightly closed

P281: Use personal protective equipment as required

P402: Store in a dry place

P404: Store in a closed container

P410: Protect from sunlight

P411: Store at temperatures not exceeding 25°C

Other hazards which do not result in classification:

No particular fire or explosion hazard.



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By mechanical effect: No particular hazards.

By hygroscopic effect: No particular hazards.

US NFPA 704 (National Fire Protection Association) Hazard Rating System:

Health hazard: Rating 0; Normal Material

Flammability: Rating 0, Will Not Burn

Reactivity: Rating 0, Stable

Other Hazard Information: None

Results of PBT and vPvB assessment:

-PBT: Not applicable

-vPvB: Not applicable

3. Declaration of ingredients

3.1 Common Chemical Name: Water & Salix Nigra (Willow) Bark Extract

Chemical Family: Plant Extract

Description: Mixture: consisting of the following components. This section describes all components of the mixture

Substance	CAS Numbers	EC Numbers	Percentage
Water	7732-18-5	231-791-2	73.00 – 75.00%
Salix Nigra (Willow) Bark Extract	84650-64-6	283-522-3	25.00 – 27.00%

Formula: Not applicable

4. First aid measures

General: In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation: Move to fresh air from exposure area. Get medical attention for any breathing difficulty.

Skin contact: Rinse with soap and water. Get medical advice if irritation develops.

Eye contact: Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.

Ingestion: Consult with a physician.

Protection of first-aiders: No special protection required.

5. Fire fighting measures

Fire and explosion hazards: Not considered to be a fire and explosion hazard



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5.1 Extinguishing media

Suitable: Water, dry chemicals, foam and carbon dioxide
Not suitable: None known

5.2 Fire fighting

Move container from fire area if it can be done without risk.
Avoid inhalation of material or combustion by-products.
Stay upwind and keep out of low area

5.3 Protection for fire-fighters

Boots, gloves, goggles

6. Accidental release measures

6.1 Personal precautions

Avoid contact with eyes.

Personal Protective Equipment:

-Protective goggles

6.2 Environmental precautions

Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system

6.3 Methods for cleaning up

Recovery:	Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material.
Cleaning/Decontamination:	Wash non-recoverable remainder with water.
Disposal:	For disposal of residues refer to sections 8 & 13.

7. Handling and storage

7.1 Handling

Technical measures: Labeling: Keep out of the reach of children.

Measures: For industrial use, only as directed.

Safe handling advice: Wash hands after use. Avoid storage near feed or food stuff.

7.2 Storage

Technical measures: Keep container closed.

Recommended Storage Conditions: Store in a cool, dry place. It should not be exposed to excessive heat or cold. Do not freeze.

Incompatible products: Avoid contact with strong oxidizers.

Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity)

Packaging: Product may be packaged in normal commercial packaging.

Packaging materials: Recommended - Polypropylene & High Density Polyethylene



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8. Exposure controls / personal protection

Precautionary statements: Ensure adequate ventilation

8.1 Control parameters

Occupational exposure Limits:

France: Not Determined

ACGIH: Not Determined

Korea: Not Determined

UK: Not Determined

Surveillance procedures: Not Determined

Engineering measures: Not Determined

8.2 Personal Protective Equipment

Respiratory protection: Local exhaust

Hand protection: Protective gloves made of rubber or neoprene.

Eye protection: Safety glasses.

Collective emergency equipment: Eye fountain.

Skin and Body Protection: Suitable protective clothing

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Measures related to the Environment: No particular measures

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Colorless to light amber liquid

Color (Gardner): 4 Maximum

Odor: Characteristic

pH (Direct @ 25°C): 4.0 – 6.5

NVM (1g-1hr-105°C-sand): 25.0% Minimum

Ash (600°C): 0.50% Maximum

Salicylic Acid (UV): 9.8 – 11.5%

Identification (FT-IR Spectra): To match standard

Heavy Metals: < 20 ppm

Lead: < 10 ppm

Arsenic: < 2 ppm

Cadmium: < 1 ppm

Microbial Content: < 100 CFU/g; No pathogens

Yeast & Mold: < 100 CFU/g

Gram Negative Bacteria: 0 CFU/g

Specific Gravity: 1.08

Vapor density: Not applicable

Boiling Point: 100°C

Freezing Point: 0°C

Melting point: Not applicable



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Flash point: > 200°F

Oxidizing properties: Non oxidizing material according to EC criteria.

Solubility:

In water: Soluble

In organic solvents: Not determined

Log P: Not determined

9.2 Other information

no data available

10. Stability and reactivity

10.1 Stability

Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life.

Hazardous reactions: None known

Conditions to avoid: No dangerous reactions known under use of normal conditions. Avoid extreme heat.

Materials to avoid: No dangerous reaction known with common products.

Hazardous decomposition products: None known

11. Toxicological information

Ingestion: Not Determined

Dermal: Non-Irritant (Dermal Irritation Model)

Ocular: Non-Irritant (Ocular Irritation Model)

Inhalation: Not Determined

Acute toxicity data: EC50 (Acute Daphnia): 690.32 mg/L - Not harmful to aquatic organisms

Sensitization: Non-Primary Sensitizer; Will not cause allergic contact dermatitis (In Chemico Skin Sensitization Direct Peptide Reactivity Assay & In Vitro Skin Sensitization ARE-Nrf2 Luciferase Test Method)

Repeated dose toxicity: No known effects

Subacute to chronic toxicity: Not Determined

Mutagenicity: Non-Mutagenic (OECD471/ISO10993.Part 3 – Genotoxicity: Bacterial Reverse Mutation Test)

Additional Toxicological Information: This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

11.1 Specific effects:

Carcinogenicity: No known effects

Mutagenicity: No known effects

Reproductive toxicity: No known effects

Neuro-toxicity: No known effects

11.2 For more information

Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

This product has not been tested for the following:

-Primary cutaneous and corrosive irritation



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12. Ecological information

Ecotoxicity

Effects on the aquatic environment:
Not Determined

Biodegradability:

Persistence:
Readily Biodegradable (88% biodegradation after 28 days of testing)

Bioaccumulation:

Octanol / water partition coefficient:
Not Determined

Mobility:

Precipitation:
Expected behavior of the product: Ultimate destination of the product: Soil & sediment.

Other Adverse Effects: None known

13. Disposal considerations

13.1 Residues from product

Prohibition: Do not allow the product to be released into the Environment.
Destruction/Disposal: Dispose of in accordance with relevant local regulations

13.2 Contaminated packaging

Decontamination/cleaning: Cleaning is not required prior to disposal.
Destruction/Disposal:
Note: Take all necessary precautions when disposing of this product according to local regulations.

14. Transport information

UN Number: None

UN Shipping Name: None

Transport Hazard Class: Not classified as dangerous for transport

Land (rail/road): Material is not restrictive for land transport and is not regulated by ADR/RID

Sea: Material is not restrictive for sea transport and is not regulated by IMO/IMDG

Air: Material is not restrictive for land transport and is not regulated by ICA/IATA



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Marine Pollutant: No

Transport/Additional Information: Not regulated for US DOT Transport in non-bulk containers
This material is not dangerous or hazardous

Special Precautions for User: None known

The above regulatory prescriptions are those valid on the date of publication of this sheet. However, given the possible evolution of transport regulations for hazardous materials and in the event of the MSDS in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

15. Regulatory information

15.1 Labeling/Restrictions

EC regulations: Not to be used for children under three years of age
Chinese regulations: Not to be used for children under three years of age
Brazilian regulations: Not to be used for children under three years of age
ASEAN regulations: Not to be used for children under three years of age
Mexico regulations: Not to be used for children under three years of age

15.2 Further regulations

United Kingdom: Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental
Hygiene Guidance: EH40
Workplace Exposure Limits (revised annually)
Korea regulations: Industrial safety and hygiene regulation: No
Hazardous material control regulation: No
Fire prevention regulation: No
Germany: Regulations concerning the classification of hazards for water (WGK – Wassergefährdungsklasse):
- WGK 1 – Low hazard to waters (VwVwS dd 27/07/2005, KBws)

15.3 Other regulations:

EINECS inventory status: Aqua: 231-791-2
Salix Nigra Bark Extract: 283-522-3
TSCA inventory status: Exempt
AICS inventory status: 7732-18-5 & 84650-64-6
Canadian (CEPA DSL) inventory status: Exempt: Salix Nigra (Willow) Bark Extract
Listed: Water
Japan (MITI list): Water & Salix Nigra (Willow) Bark Extract
Korea: Water & Salix Nigra (Willow) Bark Extract
China inventory status: Water & Salix Nigra (Willow) Bark Extract
Philippines inventory status: Exempt: Salix Nigra (Willow) Bark Extract
Listed as: Water

16. Additional information

16.1 Abbreviations



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ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.