ACNEOL SR SPE

1 – IDENTIFICATION

Product name	: **ACNEOL SR SPE**
Product code	: XP9208
Recommended use of the product	: Ingredient for cosmetic formulations.
Supplier name	: AQIA Química Industrial Ltda.
Address	: Rua Rosa Mafei, 563-Bonsucesso- Guarulhos-SP
Contact phone number	: 55 11 2436-3133 (Monday to Friday, 8 AM to 5.30 PM
Emergency phone number	: 55 11 2436-3133 (Monday to Friday, 8 AM to 5.30 PM
Fax number	: 55 11 2436-2145
E-mail	: aqia@aqia.net

2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

a) Hazard classification for human health:

- Acute toxicity: oral – Not classified.
- Acute toxicity: skin – Not classified.
- Acute toxicity: inhalation – Not classified.
- Skin corrosion / irritation – Not classified.
- Serious eye damage / eye irritation - Not classified.
- Respiratory sensitizer – Not available.
- Skin sensitizer – Not classified.
- Germ cell mutagenicity - Not classified.
- Carcinogenicity - Not classified.
- Toxic to reproduction - Not classified.
- Effects on or via lactation - Not classified.
- Specific target organ toxicity following single exposure - Not available.
- Specific target organ toxicity following repeated exposure - Not available.
- Aspiration hazard - Not available.

b) Hazard classification for aquatic environment:

- Aquatic hazard (acute) – Not classified.
- Aquatic hazard (long-term) – Not classified.
- Hazardous to the ozone layer – Not classified.

c) Hazard classification for physical hazards:

- Explosives - Not classified.
- Flammable gases - Not classified.
- Aerosols - Not classified.
- Oxidizing gases - Not classified.
- Gases under pressure - Not classified.
- Flammable liquids - Not classified.
- Flammable solids – Not classified.
- Self-reactive substances and mixtures – Not classified.

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- Pyrophoric liquids - Not classified.
- Pyrophoric solids - Not classified.
- Self-heating substances and mixtures – Not classified.
- Substances and mixtures, which in contact with water, emit flammable gases - Not classified.
- Oxidizing liquids - Not classified.
- Oxidizing solids - Not classified.
- Organic peroxides - Not classified.
- Corrosive to metals – Not classified.

LABEL ELEMENTS

- **Hazard symbols (GHS):** Not applicable.
- **Pictogram for transport of dangerous goods:** Not applicable.
- **Signal word:** Not applicable.
- **Hazard statement:** Not applicable
- **Precautionary statements:** If medical advice is needed, have the product container or label at hand. Keep out of reach of children. Read label before use.
- **Other hazards which do not result in classification:** Not applicable.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE

- **Chemical or common name:** Complex of vegetal extracts enriched with salicylic acid.

INCI name(1)	CAS number(1)	EINECS number(1)
Aqua	7732-18-5	231-791-2
Silanediol Salicylate	-----	-----
Zinc Acetylmethionate	102868-96-2	-----
Propylene Glycol	57-55-6	200-338-0
Acacia Senegal Gum Extract	90387-99-8	291-377-2
Polysorbate 20	9005-64-5	-----
Humulus Lupulus Extract	8060-28-4	232-504-3
Aloe Barbadensis Leaf Extract	85507-69-3 / 94349-62-9	287-390-8 / 305-181-2
Citrus Limon Fruit Extract	92346-89-9 / 84929-31-7	296-174-2 / 284-515-8
Melaleuca Alternifolia Leaf Extract	85085-48-9	285-377-1
Olivamidopropyl Betaine	-----	-----
Sulfur	7704-34-9	231-722-6
PEG-400	25322-68-3	-----
Polysorbate 80	9005-65-6	-----
Salicylic Acid	69-72-7	200-712-3
Phenoxyethanol	122-99-6	204-589-7

(1) Reference: (http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple), CosIng, Europe.

INCI name(2)	CAS number(2)	EINECS number(2)
Water	7732-18-5	231-791-2
Silanediol Salicylate	187939-06-6	-----
Zinc Acetylmethionate	102868-96-2	-----
Propylene Glycol	57-55-6	200-338-0

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Acacia Senegal Gum Extract	INCI Monograph ID: 9173	-----
Polysorbate 20	9005-64-5	-----
Humulus Lupulus (Hops) Extract	8016-25-9 / 8060-28-4	----- / 232-504-3
Aloe Barbadensis Leaf Extract	85507-69-3 / 94349-62-9	287-390-8 / 305-181-2
Citrus Limon (Lemon) Fruit Extract	84929-31-7 / 85085-28-5	284-515-8 / 285-359-3
Melaleuca Alternifolia (Tea Tree) Leaf Extract	85085-48-9	285-377-1
Olivamidopropyl Betaine	INCI Monograph ID: 4374	-----
Sulfur	7704-34-9	231-722-6
PEG-400	25322-68-3	-----
Polysorbate 80	9005-65-6	-----
Salicylic Acid	69-72-7	200-712-3
Phenoxyethanol	122-99-6	204-589-7

(2) Reference: Personal Care Products Council. Available at: http://webdictionary.personalcarecouncil.org/jsp/Home.jsp, USA.

- **Impurities that contribute to the classification of the product (followed by CAS number and concentration):** Not available.

4 – FIRST-AID MEASURES

FIRST-AID MEASURES

- **Inhalation:** Remove victim to fresh air and keep at rest. Seek medical attention.
- **Skin contact:** If on skin, wash with plenty of water and soap for at least 15 minutes. Take off immediately all contaminated clothing and wash it before reuse. Seek medical attention.
- **Eye contact:** Flush with water for at least 15 minutes, keeping eyelids open. Remove contact lenses if applicable. Seek medical attention.
- **Ingestion:** Rinse the victim's mouth with water. Seek medical attention.

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED: Not available.

5 – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water mist, chemical powder, carbon dioxide or foam.
UNSUITABLE FIRE EXTINGUISHER: Jets of water directly.
SPECIFIC HAZARDS ARISING FROM THE PRODUCT: Burning may produce carbon monoxide and / or carbon dioxide. Note: Carbon monoxide is highly toxic if breathed. The carbon dioxide concentrations can act as suffocating. Overexposure to combustion products result in respiratory irritation.
SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: Cool closed containers with water.

6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Remove all sources of ignition. Prevent sparks or flames. Stay calm and trigger the alarm system.

ENVIRONMENTAL PRECAUTIONS: Keep away from drains, surface and ground water.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Use natural barriers or containment of spillage. Absorb with dry sand, sawdust, earth or other inert material. Place the adsorbed material in proper containers and remove them to safe place. Send the adsorbed material for proper treatment.

7 – HANDLING AND STORAGE

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HANDLING
a) Recommendations for safe handling of the product: Avoid eye contact.
b) Incompatible substances or mixtures: Nitric acid, sulfuric acid, hydrochloric acid, strong oxidizing agents.
c) Advice to minimize the release of the substance to the environment: Check if package is not leaking.
d) Appropriate and inappropriate hygiene measures: Do not eat, drink or smoke while handling product. Wash hands thoroughly before eating, drinking, smoking or using the toilet. Contaminated clothing should be changed and washed before reuse.

STORAGE
a) Appropriate technical measures: Store in dry and covered area at room temperature and in the original closed packing.
b) Storage conditions that should be avoided: Not available.
c) Packaging compatibilities: Not available.
d) Shelf life: The product is valid for 36 months from the date of manufacture.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS / Occupational exposure limits: Not applicable.
APPROPRIATE ENGINEERING CONTROLS: Emergency shower and eye-washer.
INDIVIDUAL PROTECTION MEASURES
a) Eye / face protection: Safety goggles / mask.
b) Skin protection: Protective clothing.
c) Respiratory protection: Mask, if necessary.

9 – PHYSICAL AND CHEMICAL PROPERTIES

- Appearance (25°C)	: Liquid
- Color	: Ocher to amber
- Odor	: Not available.
- pH 100% (25°C)	: 3.0 – 5.0.
- Melting point / Freezing point	: Not available.
- Initial boiling point and boiling range	: Not available.
- Flash point	: Not available.
- Evaporation rate	: Not available.
- Flammability (solid, gas)	: Not available.
- Upper / lower flammability or explosive limits	: Not available.
- Vapor pressure	: Not available.
- Vapor density	: Not available.
- Density (25°C)	: 1.0070 – 1.1070 g/mL
- Solubility	: Not available.
- Partition coefficient: n-octanol/water	: Not available.
- Auto-ignition temperature	: Not available.
- Decomposition temperature	: Not available.
- Viscosity	: Not available.

10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of handling and storage, if kept at room temperature and in original packing.

REACTIVITY: Not available.

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POSSIBILITY OF HAZARDOUS REACTIONS: If the product is handled and stored properly the risk of dangerous reactions is remote.

CONDITIONS TO AVOID: Not available.

INCOMPATIBLE MATERIALS: Not available.

HAZARDOUS DECOMPOSITION PRODUTCTS: Burning may produce carbon monoxide and / or carbon dioxide. Note: The carbon monoxide concentrations can asphyxiate. Overexposure to combustion products may result in respiratory irritation.

11 – TOXICOLOGICAL INFORMATION

a) Acute toxicity:
Salicylic Acid:
DL_{50} (oral, rat): 891 mg/kg
CL_{50} (inhalation, rat) powder /1h : > 0,9 mg/L
DL_{50} (dermal, rat): > 2.000 mg/kg
Zinc Acetylmethionate:
DL_0 (oral, mouse): 20 mL/kg
Silanediol Salicylate:
DL_0 (oral, mouse): 20 mL/kg

b) Skin corrosion / irritation:
Salicylic Acid: Not irritating to skin application in rabbits. May cause mild irritation and transient.
Zinc Acetylmethionate: Not irritating. (rabbit)
Silanediol Salicylate: Not irritating.

c) Serious eye damage / eye irritation:
Salicylic Acid: Risk of serious damage to eyes. (rabbit)
Zinc Acetylmethionate: Not irritating. (rabbit)
Silanediol Salicylate: Slightly irritating.

d) Respiratory sensitization:
Salicylic Acid: Local lymph node assay (LLNA), mouse: no sensitizing. Man (diluted product): no sensitizing.
Silanediol Salicylate: The tests carried out on humans did not reveal any reaction of sensitization.

e) Skin sensitizer: No sensitization.

f) Germ cell mutagenicity:
Salicylic Acid: In vitro and in vivo showed no effects mutagenic
Silanediol Salicylate: Non genotoxic.

g) Carcinogenicity:
Salicylic Acid**:** No carcinogenic effect.

h) Toxic to reproduction:
Salicylic Acid:
Fertility study of 3 generations – rat:
NOEL Parents: 250 mg/kg
NOEL F1: 75 mg/kg
NOEL F2: 75 mg/kg

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Effect of developmental Toxicity / Teratogenicity Oral exposition (rat):
NOAEL Teratogenicity: 50 mg/kg
NOAEL Maternal: 50 mg/kg

i) Effects on or via lactation: Not available.

j) Specific target organ toxicity following single exposure: Not available.

k) Specific target organ toxicity following repeated exposure: Not available.

l) Aspiration hazard: Not available.

Note: the data reported above were obtained through a literature review. No tests on animals were performed.

12 – ECOLOGICAL INFORMATION

a) Ecotoxicity:
Salicylic Acid:
CE_{50} (*green algae, Desmodesmus subspicatus*) /72hs: > 100 mg/L
NOEC (*Daphnia magna*) /21 days: 10 mg/L

b) Persistence and degradability:
Salicylic Acid: Readily biodegradable.100% - 14 days

c) Bioaccumulative potential:
Salicylic Acid: Not potentially bioaccumulative.

d) Mobility in soil:
Salicylic Acid: Moves in soils.

e) Hazardous to the ozone layer: Not available.

f) Other adverse effects: Not available.

Note: the data reported above were obtained through a literature review. No tests on animals were performed.

13 – DISPOSAL CONSIDERATIONS

Recommended methods for treatment and disposal:
a) Product / Waste residues: Incineration. Do not dump into the environment. Consult current environmental regulation.
b) Contaminated packaging: The package must not be reused. The plastic material should be recycled or incinerated.

14 – TRANSPORT INFORMATION

NATIONAL AND INTERNATIONAL REGULATIONS

a) Land

Decree nº 96.044/1988 - the Regulation for the Road Transport of Dangerous Products and the other steps Approves.
Resolution ANTT n° 5232/2021 - *Approves the Complementary Instructions to the Terrestrial*

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Regulation of Transport of Dangerous Goods and other measures.

b) Waterways

DPC - Direction of Ports and Coasts - Transport in Brazilian Waters.
NORMAM (Norms of Maritime authorities).
NORMAM 01/DPC: Boats Used in the Navigation in Open Sea.
NORMAM 02/DPC: Boats Used in the Inland navegation.
IMO – *"International Maritime Organization"*
International Maritime Dangerous Goods Code (IMDG Code).

c) Air

DAC - Department of Civil Aviation: IAC 153- 1001. Instruction of Civil Aviation - Norms for the dangerous article transport in civil aircraft.
IATA – "International Air Transport Association"

CLASSIFICATION OF DANGEROUS GOODS FOR TRANSPORTATION

- **UN number:** Not classified as hazardous for transport.
- **UN Proper Shipping Name:** Not classified as hazardous for transport.
- **Transport hazard class:** Not classified as hazardous for transport.
- **Risk number:** Not classified as hazardous for transport.
- **Packing group:** Not classified as hazardous for transport.

15 – REGULATORY INFORMATION

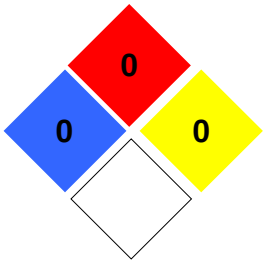
- Federal Decree No. 2657:1998 - Announces Convention No 170 ILO concerning security in the Use of Chemicals at Work.
- NBR 14725 - Chemicals - Safety, health and environment.

16 – OTHER INFORMATION

AQIA Química Industrial Ltda. recommends the user to read carefully this Material Safety Data Sheet (MSDS) in order to know the hazards associated to the product. The MSDS presents safety information in product handling. The information herein is given in good faith, without thereby incurring any liability, express or implied. It is the user's responsibility to ensure that their activities comply with local, federal, state, and municipal regulations. The information presented here pertains only to the product in its original container. It is obligation of the user to use or determine that the product is handled safely.

NFPA DIAMOND

Health = 0
Flammability = 0
Reactivity = 0
Specific Risks =



REFERENCES

1) Site CosIng, Europe (http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple)
2) Personal Care Products Council; *Online International Cosmetic Ingredient Dictionary & Handbook (wINCI)*; Copyright© 2008 Personal Care Products Council. Available at: <*https://incipedia.personalcarecouncil.org/winci/ingredient-custom-search/*>, USA. Accessed in: May 24, 2023.

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ABBREVIATIONS

- ABNT – Brazilian Association of Technical Norms;
- ACGIH – American Conference of Governmental Industrial Hygienists;
- ANTT – National Agency of Land Transport;
- CAS – Chemical Abstract Service ;
- DAC – Civil Aviation Department;
- DL_0 – It is the maximum dosage tested that does not cause death in a test population.
- DL_{50} – Lethal Dose 50% - It is the necessary dosage of a determined substance to kill 50 % of the testing population;
- DPC – Directorate of Ports and Coasts;
- EINECS – European Inventory of Existing Chemical Substances;
- FISPQ – MSDS;
- GHS – Global Harmonized System;
- IATA – International Air Transport Association;
- IMDG – International Maritime Dangerous Goods Code;
- IMO – International Maritime Organization;
- INCI – International Nomenclature of Cosmetic Ingredients;
- LD_0 (Lethal Dose 0) – It is the maximum dosage tested that does not cause death in a test population;
- LD_{50} (Lethal Dose 50%) - It is the necessary dosage of a determined substance to kill 50% of the testing population;
- MTE – Ministry of Work and Employment;
- NBR – Brazilian Norm;
- NFPA – National Fire Protection Association;
- NIOSH – National Institute for Occupational Safety and Health;
- NORMAM – Maritime Authority Norms;
- NR – Regulatory Norms of Ministry of Work and Employment;
- OIT – International Work Organization;
- ONU – United Nations Organization;
- OSHA – Occupational Safety & Health Administration;
- ppb – Parts-per-bilion;
  ppm – Parts-per-milion.

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