1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name	:	RHODAPON LS-94/RP
CAS-No.	:	68585-47-7

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

Uses of the Substance/Mixture	:	Specific use(s): Emulsifier

Details of the supplier of the safety data sheet

Company	:	RHODIA Opérations 40 Rue de la Haie Coq 93306 Aubervilliers Cedex - France Tel : +33 (0)1.53.56.50.00
Emergency telephone number	:	MULTI LINGUAL EMERGENCY NUMBER (24/7) Europe/America/Africa : +44 1235 239 670 (UK) Middle East & Africa speaking Arabic : +44 1235 239 671 (UK) Asia Pacific : +65 3158 1074 (Singapore) China : +86 10 5100 3039 (Beijing)
E-mail address	:	information.fds@eu.rhodia.com

2. HAZARDS IDENTIFICATION

Classification

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 3	H335: May cause respiratory irritation.

Classification (67/548/EEC,1999/45/EC)

Xi: Irritant	R37/38: Irritating to respiratory system and skin. R41: Risk of serious damage to eyes.

Label elements

Hazardous products which must be listed on the label:

- 68585-47-7 Sulfuric acid, mono-C10-16-alkyl esters, sodium salts

REGULATION (EC) No 1272/2008

Pictogram :

Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

Toxic to aquatic organisms. Does NOT present any particular fire hazard. On combustion, toxic gases are released. Electrostatic charges may build up by swirling, pneumatic transport, pouring, etc. Divided solid. May form explosive dust-air mixture. Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity"). No specific hazard under normal conditions of use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical nature : Sulphurised fatty alcohol, sodium salt

CAS-No. : 68585-47-7

Information on Components and Impurities

Chemical Name	Identification number	Classification 67/548/EEC	Classification REGULATION (EC) No 1272/2008	Concentration [%]
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	CAS-No. : 68585-47-7 EINECS-No. : 271-557-7 self classification	Xi; R38 Xi; R41	H315 : Skin irritation , Category 2 H318 : Serious eye damage , Category 1	>= 90 - < 95
Alcohols, C10-16	CAS-No. : 67762-41-8 EINECS-No. : 267-019-6 self classification	Xi; R36 Xi; R38 N; R50	H319 : Eye irritation , Category 2 H400 : Acute aquatic toxicity , Category 1	>= 1 - < 2,5

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

4. FIRST AID MEASURES

Description of necessary first-aid measures

General advice : Show this safety data sheet to the doctor in attendance.
First aider needs to protect himself.
Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation : Move to fresh air.
Keep at rest.
Consult a physician if necessary.

Skin contact : Take off contaminated clothing and shoes immediately.
Wash off with plenty of water.
Wash immediately and thoroughly for a prolonged period (at least 15 minutes).
Call a physician if irritation develops or persists.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get immediate medical advice/ attention.

Ingestion : Do NOT induce vomiting.
Rinse mouth with water.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Foam
Multi-purpose powders

		Carbon dioxide (CO2) Water spray
Unsuitable extinguishing media	:	High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Combustible. However, does not present any particular risk in the event of a fire. On combustion, toxic gases are released.

Advice for firefighters

Special protective equipment for firefighters	:	Self-contained breathing apparatus (EN 133) Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Specific fire fighting methods	:	Do not use a solid water stream as it may scatter and spread fire.
Further information	:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Remove all sources of ignition. Do not breathe dust. Avoid contact with the skin and the eyes. Personal protective equipment Respiratory protection Goggles Face-shield Wear suitable protective equipment. Impervious gloves
Environmental precautions	:	Dam up. Do not let product enter drains.

Methods for Cleaning or Taking Up

Recovery	:	Use approved industrial vacuum cleaner for removal. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.
Decontamination/cleaning	:	Wash non-recoverable remainder with large amounts of water. Clean contaminated surface thoroughly. Recover the cleaning water for subsequent disposal.
Disposal	:	Dispose of in accordance with local regulations.
Additional advice	:	Forms slippery/greasy layers with water.

7. HANDLING AND STORAGE

Handling

Technical measures	:	Avoid dust formation. Earth the equipment. Provide appropriate exhaust ventilation at places where dust is formed. Take measures to prevent the build up of electrostatic charge. Keep away from heat and sources of ignition.
Advice on safe handling and usage	:	Provide for appropriate exhaust ventilation and dust collection at machinery. Avoid allowing the dust to build up. Clean regularly. Handle in accordance with good industrial hygiene and safety practice.

Storage

Technical Measures for storage	:	Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Do not stack the pallets.

Storage conditions

Recommended	:	Stable under normal conditions. Keep in a dry, cool and well-ventilated place. Protect from moisture.
To be avoided	:	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible products	:	Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").

Packaging Measures

Packaging conditions	:	Plastic bags.
Packaging materials - Recommended	:	Plastic materials (polyethylene).
Storage temperature	:	18 - 50 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Control measures

Engineering measures	:	Extract at emission point. Ensure that extracted air cannot be returned to the workplace through the ventilation system.

Personal protective equipment

Respiratory protection	:	In the case of dust or aerosol formation use respirator with an approved filter. Use a respirator with an approved filter if a risk assessment indicates this is necessary.
Hand protection	:	Glove material: Nitrile rubber Impervious gloves Where there is a risk of contact with hands, use appropriate gloves The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Eye protection	:	Goggles Face-shield
Skin and body protection	:	Full protective suit
Hygiene measures	:	Emergency equipment immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. When using do not eat, drink or smoke. Wash hands before eating, drinking, or smoking. The user is responsible for monitoring the working environment in accordance with local laws and regulations.
Protective measures	:	The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.
General advice	:	Dam up. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	:	powder
Physical state	:	solid
Colour	:	creamy white.
Odour	:	slight
Odour Threshold	:	no data available

Safety data

pH	:	8,5 - 10,5 at 1 % (m/v) Aqueous solution
Melting point/range	:	No information available.
Boiling point/boiling range	:	no data available
Flash point	:	no data available
Flammability (solid, gas)	:	no data available
Autoignition temperature	:	no data available
Oxidizing properties	:	Not considered as oxidizing, Structure-activity relationship (SAR)
Water solubility	:	soluble
Solubility in other solvents	:	not determined
Partition coefficient: n-octanol/water	:	no data available
Vapour pressure	:	no data available
Evaporation rate	:	no data available
Relative vapour density	:	no data available
Density	:	no data available
Bulk density	:	160 - 220 kg/m3
Oxidation/Reduction Potential	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
hygroscopic	:	hygroscopic
Explosive properties	:	no data available
Thermal decomposition	:	no data available
Lower explosion limit	:	no data available

Upper explosion limit	:	no data available

10. STABILITY AND REACTIVITY

Chemical stability	:	Stable under normal conditions. Readily absorbs moisture from the atmosphere and other sources.
Hazardous reactions		
Materials to avoid	:	Strong acids Strong oxidizing agents Strong reducing agents.
Decomposition products	:	On combustion or on thermal decomposition (pyrolysis) releases: (Carbon oxides (CO + CO2)). Sulphur oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	Not classified as harmful if swallowed Unpublished reports
Acute inhalation toxicity	:	no data available
Acute dermal toxicity	:	no data available
Acute toxicity (other routes of administration)	:	no data available
Aspiration toxicity	:	no data available

Skin corrosion/irritation

Skin irritation	:	Irritating to skin. By analogy Unpublished reports CESIO

Serious eye damage/eye irritation

Eye irritation	:	Risk of serious damage to eyes. Severe eye irritation By analogy Information given is based on data obtained from similar substances. Unpublished internal reports

Respiratory or skin sensitization

Sensitisation	:	Not classified as sensitising by skin contact By analogy Unpublished reports Information given is based on data obtained from similar substances.

Repeated dose toxicity

Repeated dose toxicity	:	Oral exposure 90 Days - rat NOEL: 122 mg/kg By analogy Repeated or prolonged exposure to high levels may affect the liver and kidneys. Unpublished reports

STOT

STOT - single exposure	:	Toxicology Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.
STOT - repeated exposure	:	no data available

Carcinogenicity

Carcinogenicity	:	no data available

Mutagenicity

Genotoxicity in vitro	:	Mutagenicity (Salmonella typhimurium - reverse mutation assay) with or without metabolic activation negative Unpublished reports Information given is based on data obtained from similar substances.
Genotoxicity in vivo	:	no data available

Reproductive toxicity

Reproductive toxicity	:	no data available
Developmental Toxicity / Teratogenicity	:	Did not show teratogenic effects in animal experiments. Information given is based on data obtained from similar substances. Unpublished reports

Experience with human exposure

Experience with human exposure : Inhalation	:	May cause respiratory irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity assessment

Ecotoxicity assessment	:	Toxic to aquatic organisms. Published data

Persistence and degradability

Biodegradability

Biodegradability	:	Ultimate aerobic biodegradability Readily biodegradable Unpublished reports Unpublished internal reports

Bioaccumulation

Bioconcentration factor (BCF)	:	Not bioaccumulable Published data

Mobility

Known distribution to environmental compartments	:	Ultimate destination of the product : Water

Other adverse effects

Environment assessment	:	Not classified as Dangerous for the Environment, according to EC criteria

13. DISPOSAL CONSIDERATIONS

Product Disposal

Prohibition	:	Avoid release to the environment.
Advice on Disposal	:	Dispose of as hazardous waste in compliance with local and national regulations.

Advice on cleaning and disposal of packaging

Measures for waste avoidance.	:	Do not dispose of the product at a rubbish tip.
Advice	:	Bag Cleaning is not required prior to disposal. The user's attention is drawn to the possible existence of local regulations regarding disposal.
Reason for waste disposal	:	Dispose of contents/ container to an approved incineration plant.
Other data	:	Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR
not regulated

RID
not regulated

IMDG
not regulated

IATA
not regulated

ADN / ADNR
not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

According to our knowledge, no specific regulatory information.

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

Full text of H-Statements referred to under sections 2 and 3.

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Full text of P-Statements referred to under sections 2 and 3.

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280	Wear protective gloves/ eye protection/ face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/ container to an approved waste disposal plant.

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in an other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.