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

Product identifier

Trade name : RHODASURF AAE-10

Details of the supplier of the safety data sheet

Company : Rhodia Poliamida e Especialidades Ltda
Av. Antônio Cardoso, 319
CEP: 09280 - 570, Santo André - SP
Tel. (+55 11) 4435 1700

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)
Mercosul: (+ 55 11) 4435 1990

2. HAZARDS IDENTIFICATION

Classification

Classification according to NBR 14725-2

Eye irritation, Category 2A	H319: Causes serious eye irritation.

Label elements

Labelling according to NBR 14725-3

Pictogram :

Signal word : Warning

Hazard statements : H319

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
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.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Other hazards
Does NOT present any particular fire hazard.
On combustion, toxic gases are released.
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

Synonyms	:	Poly(oxy-1,2-ethanediyl), α-2-propen-1-yl-ω-hydroxy-
Chemical Name	:	Allyl alcohol ethoxylate
CAS-No.	:	27274-31-3
EINECS-No.	:	608-071-5

Information on ingredients or impurities which contribute to hazards.

Chemical Name	CAS-No.	Classification according to NBR 14725-2	Concentration [%]
Allyl alcohol, ethoxylated	27274-31-3	Eye Irrit. 2A; H319	>= 99 - <= 100

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	:	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Consult a physician if necessary.
Skin contact	:	Take off contaminated clothing and shoes immediately.

		Wash off with soap and plenty of water. Wash immediately and thoroughly for a prolonged period (at least 15 minutes). Consult a physician if necessary. 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. If eye irritation persists, consult a physician
Ingestion	:	Do NOT induce vomiting. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Extinguishing media

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

Special hazards arising from the substance or mixture

Specific hazards during fire fighting	:	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 fire-fighters	:	Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing Wear self contained breathing apparatus for fire fighting if necessary.
Specific fire fighting methods	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool containers / tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Mark the contaminated area with signs and prevent access to unauthorized personnel. Avoid contact with the skin and the eyes. Do not allow uncontrolled discharge of product into the environment. Use personal protective equipment. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions	:	Dam up. Do not let product enter drains. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.

Methods for Cleaning or Taking Up

Recovery	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Pump up the product into a spare container :- suitably labelled. Keep in suitable, closed containers for disposal.
Decontamination/cleaning	:	Pick up contaminated soil. Clean contaminated floors and objects thoroughly while observing environmental regulations. Pick up and transfer to properly labelled containers. Keep in suitable, closed containers for disposal.
Disposal	:	Dispose of contents/ container to an approved waste disposal plant. The product should not be allowed to enter drains, water courses or the soil. Dispose of in accordance with local regulations.
Additional advice	:	Material can create slippery conditions.

7. HANDLING AND STORAGE

Handling

Technical measures	:	Does not require any specific or particular measures.
Advice on safe handling and usage	:	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.

Storage conditions

Recommended	:	Stable under normal conditions. Keep in a cool, well-ventilated place.
Incompatible products	:	Strong oxidizing agents Strong reducing agents.

Packaging Measures

Packaging conditions	:	Store in original container.
Packaging materials - Recommended	:	Plastic materials.
Storage temperature	:	15 - 50 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

We are not aware of any national exposure limit.

Personal protective equipment

Respiratory protection	:	If the occupational exposure limit is exceeded : In the case of vapour formation use a respirator with an approved filter.
Hand protection	:	Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Where there is a risk of contact with hands, use appropriate gloves Gloves must be inspected prior to use.
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Protective suit
Hygiene measures	:	Ensure that eyewash stations and safety showers are close to the workstation location.

When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.

Protective measures : 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	:	viscous
Physical state	:	liquid
Colour	:	slightly yellow
Odour	:	very faint
Odour Threshold	:	no data available

Safety data

pH	:	6,0 - 8,0 at 5 % (m/v) Aqueous solution
Pour point	:	8 °C
Softening point	:	< 10 °C
Boiling point/boiling range	:	> 75 °C at 1.013 hPa
Flash point	:	> 150 °C closed cup
Flammability (solid, gas)	:	no data available
Autoignition temperature	:	no data available
Oxidizing properties	:	Not considered as oxidizing, Structure-activity relationship (SAR)
Water solubility	:	dispersible
Solubility in other solvents	:	organic polar solvents soluble Aromatic hydrocarbons soluble
Partition coefficient: n-octanol/water	:	log Pow: < 3 Structure-activity relationship (SAR)
Vapour pressure	:	< 0,0133 hPa at 25 °C

Evaporation rate	:	no data available
Relative vapour density	:	no data available
Density	:	ca. 1,09 g/cm3 at 20 °C
Relative density	:	0,84 at 25 °C
Viscosity, dynamic	:	230 mPa.s at 25 °C
Viscosity, kinematic	:	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.

Hazardous reactions

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Strong oxidizing agents
Decomposition products	:	On combustion or on thermal decomposition (pyrolysis) releases: (Carbon oxides (CO + CO2)).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	No information available.
Acute inhalation toxicity	:	No information 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	:	No information available.

Serious eye damage/eye irritation

Eye irritation	:	Irritating to eyes. No information available. internal evaluation

Respiratory or skin sensitization

Sensitisation	:	No information available.

Repeated dose toxicity

Repeated dose toxicity	:	No information available.

STOT

STOT - single exposure	:	no data available
STOT - repeated exposure	:	no data available

Carcinogenicity

Carcinogenicity	:	no data available

Mutagenicity

Genotoxicity in vitro	:	No information available.
Genotoxicity in vivo	:	No information available.

Reproductive toxicity

Reproductive toxicity	:	no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity assessment

Ecotoxicity assessment	:	No information available.

Persistence and degradability

Biodegradability

Biodegradability	:	Ultimate aerobic biodegradability:

Readily biodegradable
By analogy
Unpublished reports

Bioaccumulation

Partition coefficient: n-octanol/water	:	Not potentially bioaccumulable Structure-activity relationship (SAR)

Mobility

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

13. DISPOSAL CONSIDERATIONS

Product Disposal

Prohibition	:	Do not let product enter drains.
Advice on Disposal	:	Dispose of in accordance with local regulations. Dispose of contents/ container to an approved waste disposal plant.

Advice on cleaning and disposal of packaging

Prohibition	:	Do not dispose of the product at a rubbish tip.
Advice	:	Completely empty the packaging prior to decontamination. Carefully drain and then steam clean. Dispose of contents/ container to an approved waste disposal plant.
Advice on Disposal	:	Recycle following cleaning.
Other data	:	Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ANTT
not regulated

DOT
not regulated

TDG

not regulated

RID
not regulated

ADR
not regulated

IMDG
not regulated

IATA
not regulated

15. REGULATORY INFORMATION

16. OTHER INFORMATION

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

H319	Causes serious eye irritation.

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

P264	Wash skin thoroughly after handling.
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.
P337 + P313	If eye irritation persists: Get medical advice/ attention.

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.

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