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

Product identifier

Trade name : RHODIASOLV GREEN 25

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)

E-mail address : information.fds@eu.rhodia.com

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids, Category 4	H227: Combustible liquid
Acute toxicity, Oral, Category 5	H303: May be harmful if swallowed.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2A	H319: Causes serious eye irritation.

Label elements

Hazardous products which must be listed on the label:

- 103-09-3 2-ethylhexyl acetate
- 98-86-2 acetophenone

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Pictogram :

Signal word : Warning

Hazard statements :

H227	Combustible liquid
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary statements : **General:**
None.
Prevention:

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
Storage:	
P403 + P235	Store in a well-ventilated place. Keep cool.
Disposal:	
P501	Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
Combustible. 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

Mixture

Chemical nature : Solvent mixture

Information on Components and Impurities

Chemical Name	CAS-No.	Identification number	GHS Classification	Concentration [%]
2-ethylhexyl acetate	103-09-3		H227 : Flammable liquids, Category 4 H303 : Acute toxicity, Oral, Category 5 H315 : Skin irritation, Category 2 H319 : Eye irritation, Category 2A	>= 40 - < 50
acetophenone	98-86-2		H227 : Flammable liquids, Category 4 H303 : Acute toxicity, Oral, Category 5 H313 : Acute toxicity, Dermal, Category 5 H315 : Skin irritation, Category 2 H320 : Eye irritation, Category 2B	>= 20 - < 25

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.

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).
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. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Water spray

		Foam Multi-purpose powders Carbon dioxide (CO2)
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) Boots Gloves Goggles
Specific fire fighting methods	:	Avoid release to the environment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid contact with the skin and the eyes. Wear suitable gloves. Safety glasses Wear suitable protective equipment. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions	:	Prevent product from entering drains. Dam up.
Methods for Cleaning or Taking Up		
Prohibition	:	As far as possible, do NOT spray packaging which has been damaged or overturned with water.
Recovery	:	Absorb the product onto porous material. Sweep up or vacuum up spillage and collect in suitable container for disposal. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.
Decontamination/cleaning	:	Wash off with plenty of water. Recover the cleaning water for subsequent disposal.
Disposal	:	Dispose of contents/ container to an approved waste disposal plant.
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 : Protect from contamination.
Avoid the formation or spread of mists in the atmosphere.
Follow the instructions for use issued by the producer.
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.
Caution : The stacking height must not exceed 3 pallets.

Storage conditions

Recommended : Stable under normal conditions.
Keep away from open flames, hot surfaces and sources of ignition.
Keep away from incompatible materials to be indicated by the manufacturer
Keep in a cool, well-ventilated place.
Keep container tightly closed and dry.

Incompatible products : Strong oxidizing agents

Packaging Measures

Packaging Measures : Plastic drum

Packaging materials - Recommended : Plastic materials.

Packaging materials - To be avoided : All other materials.

Storage temperature : < 50 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace foreign Control Parameters

Components	Value type	Value	Update	Basis
acetophenone	TWA	10 ppm	2007-01-01	USA. ACGIH Threshold Limit Values (TLV)

Personal protective equipment

Respiratory protection : Use a respirator with an approved filter if a risk assessment indicates this is necessary.

Hand protection	:	Neoprene 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. 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. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	:	Safety glasses with side-shields
Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Remove and wash contaminated clothing.
Hygiene measures	:	Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke.
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	:	Prevent product from entering drains. Dam up.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	:	no data available
Physical state	:	liquid (20 °C)
Colour	:	slightly yellow
Odour	:	slight
Odour Threshold	:	no data available

Safety data

pH	:	No information available.
Pour point	:	-3 °C
Boiling point/boiling range	:	no data available
Flash point	:	77 °C closed cup
Flammability (solid, gas)	:	no data available
Autoignition temperature	:	no data available
Oxidizing properties	:	No information available.
Water solubility	:	insoluble
Solubility in other solvents	:	organic polar solvents soluble Aromatic hydrocarbons soluble
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	:	ca. 0.99 g/cm3 (20 °C)
Oxidation/Reduction Potential	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
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.

Hazardous reactions

Materials to avoid	:	Strong acids Iron Reducing agents Strong oxidizing agents Zinc
Decomposition products	:	On combustion or on thermal decomposition (pyrolysis) releases: (Carbon oxides (CO + CO2)).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	According to the data on the components Not classified as harmful if swallowed Unpublished reports by calculation according to the conventional method
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. According to the data on the components Irritating to skin. Unpublished reports by calculation according to the conventional method

Serious eye damage/eye irritation

Eye irritation	:	Irritating to eyes. According to the data on the components by calculation according to the conventional method Unpublished reports

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 According to the data on the components Unpublished reports

Bioaccumulation

Bioconcentration factor (BCF)	:	According to the data on the components Not bioaccumulable Unpublished reports

Mobility

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

13. DISPOSAL CONSIDERATIONS

Product Disposal

Prohibition	:	Avoid release to the environment.
Advice on Disposal	:	Dispose of this material and its container to hazardous or special waste collection point.

Advice on cleaning and disposal of packaging

Measures for waste avoidance.	:	Do not dispose of the product at a rubbish tip.
Advice	:	Completely empty the packaging prior to decontamination. Carefully drain and then steam clean.
Reason for waste disposal	:	Recycle following cleaning. Dispose of contents/ container to an approved waste disposal 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

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

Following last version of regulations are applicable for the chemical classification, SDS and label:
-General Rule for classification and hazard communication of chemicals, GB 13690
-Series standards of Safety rules for classification, precautionary labeling and precautionary statements of chemicals (GB 20576~GB 20602)
-General rules for preparation of precautionary label for chemicals, GB 15258
-Safety data sheet for chemical products—Content and order of sections, GB/T 16483

16. OTHER INFORMATION

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

H227	Combustible liquid
H303	May be harmful if swallowed.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H320	Causes eye irritation.

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

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
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P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/ container to an approved waste disposal plant.

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.