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

Product identifier

Trade name : RHODOLINE FT 100

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

Uses of the Substance/Mixture : Specific use(s): Paint additive, Water-borne coatings, (For further information, refer to the product technical data sheet)

Details of the supplier of the safety data sheet

Company : RHODIA INC;
8, Cedar Brook Drive;
NJ 08512 Cranbury;
United States;
Tel. : +1 609 860 4000;
Fax : +1 609 860 2241

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

Acute aquatic toxicity, Category 2 — H401: Toxic to aquatic life.
Chronic aquatic toxicity, Category 2 — H411: Toxic to aquatic life with long lasting effects.

Label elements

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

Pictogram :

Hazard statements : H411 Toxic to aquatic life with long lasting effects.

Precautionary statements :

General:
None.

Prevention:
P273 Avoid release to the environment.

Response:
P391 Collect spillage.

Storage:

None.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Information on Components and Impurities

Chemical Name	CAS-No.	Identification number	GHS Classification	Concentration [%]
Poly(oxy-1,2-ethanediyl), .alpha.-[tris(1-phenylethyl)phenyl]-.omega.-hydroxy-	99734-09-5		H401 : Acute aquatic toxicity , Category 2 H411 : Chronic aquatic toxicity , Category 2	>= 90 - < 95

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.
Do not leave the victim unattended.
Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation : not applicable

Skin contact : Take off contaminated clothing and shoes immediately.
Wash off with plenty of water.
Call a physician if irritation develops or persists.

Eye contact : Rinse with running water whilst keeping the eyes wide open (at least 15 minutes)
If eye irritation persists, consult a physician

Ingestion : Do NOT induce vomiting.
Rinse mouth with water.
Consult a physician if necessary.

5. FIREFIGHTING 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 firefighting	:	Aqueous liquid. Does not present any particular risk in the event of a fire. Nevertheless, following the evaporation of water,the residue may burn: Highly 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	:	Contain the extinguishing fluids by bunding (the product is hazardous for the environment).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Do not allow uncontrolled discharge of product into the environment. Personal protective equipment Wear suitable gloves. Safety glasses Wear suitable protective clothing. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions	:	Contain the spilled material by bunding. Prevent product from entering drains.
Methods for Cleaning or Taking Up		
Recovery	:	Absorb the product onto porous material. Vacuum up the product. 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 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. Avoid inhalation, ingestion and contact with skin and eyes.

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. Recommended stacking limit : 4 pallets.
Storage conditions		
Recommended	:	Stable under normal conditions. Store : Keep in a dry, cool place. Keep away from incompatible materials to be indicated by the manufacturer
Incompatible products	:	Strong acids Strong oxidizing agents
Packaging Measures		
Packaging Measures	:	Steel drum
Packaging materials - Recommended	:	Coated steels.
Packaging materials - To be avoided	:	Ordinary steel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

We are not aware of any national exposure limit.

Control measures

Engineering measures	:	Use only in well-ventilated areas. Extract at emission point.

Personal protective equipment

Respiratory protection	:	Use a respirator with an approved filter if a risk assessment indicates this is necessary.
Hand protection	:	Glove material: Gloves
Eye protection	:	Safety glasses with side-shields
Skin and body protection	:	Wear suitable protective clothing, gloves and eye/face protection. Long sleeved clothing

Hygiene measures	:	Emergency equipment immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands before eating, drinking, or smoking. When using do not eat, drink or smoke. Smoking, eating and drinking should be prohibited in the application area.
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	:	Contain the spilled material by bunding. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	:	no data available
Physical state	:	liquid
Colour	:	slightly yellow
Odour	:	characteristic
Odour Threshold	:	no data available

Safety data

pH	:	5.0 - 7.0 (5 g/l) Aqueous solution
Freezing point	:	ca. 0 °C
Boiling point/boiling range	:	No information available.
Flash point	:	not applicable
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	:	Aromatic hydrocarbons dispersible organic polar solvents 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. 1,090 g/cm3 (20 °C)
Oxidation/Reduction Potential	:	no data available
Viscosity, dynamic	:	ca. 1,650 mPa.s (20 °C)
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 Strong oxidizing agents
Decomposition products	:	On combustion or on thermal decomposition (following the evaporation of water) releases: Carbon dioxide (CO2)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	By analogy Not classified as harmful if swallowed Information given is based on data obtained from similar substances. 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	:	No skin irritation By analogy Not classified as irritating to skin Information given is based on data obtained from similar substances. by calculation according to the conventional method

Serious eye damage/eye irritation

Eye irritation	:	Moderate eye irritation By analogy May irritate eyes. Information given is based on data obtained from similar substances. by calculation according to the conventional method

Respiratory or skin sensitization

Sensitisation	:	No information available.

Repeated dose toxicity

Repeated dose toxicity	:	no data 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	:	By analogy Toxic to aquatic life. Unpublished internal reports by calculation according to the conventional method

Persistence and degradability

Biodegradability

Biodegradability	:	Ultimate aerobic biodegradability Not biodegradable Unpublished internal reports

Bioaccumulation

Bioconcentration factor (BCF)	:	not applicable

Mobility

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

Other adverse effects

Environment assessment	:	DANGEROUS FOR THE ENVIRONMENT (N) by calculation according to the conventional method

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	:	Completely empty the packaging prior to decontamination. Carefully drain and then steam clean.
Reason for waste disposal	:	Recycle following cleaning. Destroy at an authorised site.
Other data	:	In accordance with RID/ADR regulations containers or tankers, which have not been cleaned or deodorized and which previously contained a hazardous product, must either be labelled or have hazard signs. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR

UN number	:	3082
Dangerous Good Description	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ETHOXYLATED TRISTYRYLPHENOL), 9, III, (E)
Labels	:	9
Packing group	:	III
Tunnel restriction code	:	(E)
Class	:	9
Classification Code	:	M6
Environmentally hazardous mark	:	YES
Hazard identification No	:	90

RID

UN number	:	3082
Dangerous Good Description	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ETHOXYLATED TRISTYRYLPHENOL), 9, III
Labels	:	9
Packing group	:	III
Class	:	9
Classification Code	:	M6
Environmentally hazardous mark	:	YES
Hazard identification No	:	90

IMDG

UN number	:	3082
Dangerous Good Description	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ETHOXYLATED TRISTYRYLPHENOL), 9, III, IMDG Code Segregation Group - Not Relevant
Labels	:	9
Packing group	:	III
Class	:	9
Marine pollutant (environmentally hazardous mark)	:	YES
EmS	:	F-A , S-F

IATA

UN number	:	3082
Dangerous Good Description	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ETHOXYLATED TRISTYRYLPHENOL), 9, III
Labels	:	9
Packing group	:	III
Class	:	9
Environmentally hazardous mark	:	YES
Packing instruction (cargo aircraft)	:	964
Max net qty/pkg	:	450.00 L
Packing instruction (passenger aircraft)	:	964
Max net qty/pkg	:	450.00 L

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.

H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

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

P273	Avoid release to the environment.
P391	Collect spillage.
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.