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

Product identifier

Trade name : ABEX 18 S

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

Uses of the Substance/Mixture : Specific use(s): Emulsifier, (For further information, refer to the product technical data sheet)

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

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Label elements

Labelling according to EC Directives (67/548/EEC,1999/45/EC)

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards which do not result in classification

No specific risk when handled in accordance with good occupational hygiene and safety practice. NO particular fire or explosion hazard. Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").
On combustion, toxic gases are released. (following evaporation of water)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical nature : Aqueous solution of
Sodium salt of an ethoxylated sulphated alcohol

Information on Components and Impurities

Chemical Name	Identification number	Classification 67/548/EEC	Classification REGULATION (EC) No 1272/2008	Concentration [%]
Alcohols, C10-16, ethoxylated	CAS-No. : 68002-97-1 self classification	Xn; R22 Xi; R41 N; R50	H302 : Acute toxicity , Oral, Category 4 H318 : Serious eye damage , Category 1 H400 : Acute aquatic toxicity , Category 1	>= 0,25 - < 1

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 : No hazards which require special first aid measures.

Inhalation : Not applicable (aqueous liquid).

Skin contact : Remove contaminated clothing and shoes.
Wash off with soap and plenty of water.

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.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Dry chemical
Carbon dioxide (CO2)
Foam
Water spray

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.
On combustion, toxic gases are released.

(following evaporation of water)

Advice for firefighters

Special protective equipment for firefighters	:	Full protective suit 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	:	Do not allow uncontrolled discharge of product into the environment. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. Wear suitable protective equipment. Wear suitable gloves. Safety glasses
Environmental precautions	:	Contain the spilled material by bunding. Do not let product enter drains.
Methods for Cleaning or Taking Up		
Recovery	:	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). 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	:	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. Caution : The stacking height must not exceed 3 pallets.
Storage conditions		
Recommended	:	Keep container tightly closed. Keep in a dry, cool and well-ventilated place.
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 materials - Recommended	:	Plastic materials.
Packaging conditions	:	Plastic drum
Storage temperature	:	4 - 26 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Control measures

Engineering measures	:	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: Neoprene 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	:	Safety glasses
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. Wash hands after handling. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. 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	:	Contain the spilled material by bunding. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	:	no data available
Physical state	:	liquid
Colour	:	colourless to pale yellow.
Odour	:	slight
Odour Threshold	:	no data available

Safety data

pH	:	7,5 - 8,5 (10 % (m/v)) Aqueous solution

Melting point/range	:	no data available
Boiling point/boiling range	:	100 °C
Flash point	:	Not applicable (aqueous liquid).
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	:	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	:	no data available
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 oxidizing agents Strong reducing agents
Decomposition products	:	On combustion or on thermal decomposition (following the evaporation of water) releases: (Carbon oxides (CO + CO2)). Sulphur oxides
Other information	:	No dangerous reaction known under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	LD50 : > 40.800 mg/kg - rat Unpublished internal 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	:	No skin irritation Unpublished internal reports

Serious eye damage/eye irritation

Eye irritation	:	No eye irritation Unpublished internal reports

Respiratory or skin sensitization

Sensitisation	:	Not classified as sensitising by skin contact By analogy Unpublished reports

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	:	By analogy Product is not considered to be genotoxic Unpublished reports
Genotoxicity in vivo	:	By analogy Product is not considered to be genotoxic Unpublished reports

Reproductive toxicity

Reproductive toxicity	:	No information available.
Developmental Toxicity / Teratogenicity	:	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Ecotoxicity assessment

Acute aquatic toxicity	:	By analogy The product does not have any known adverse effects on the aquatic organisms tested Unpublished reports

M-Factor

Alcohols, C10-16, ethoxylated
Acute aquatic toxicity = 1
(according to the Globally Harmonized System (GHS) and the REGULATION (EC) No 1272/2008)

Persistence and degradability

Biodegradability

Biodegradability	:	Ultimate aerobic biodegradability Readily biodegradable 82 % - 28 d Method: According to ISO 14593 method Unpublished internal reports

Bioaccumulation

Partition coefficient: n-octanol/water	:	Not applicable Surface-Active
Bioconcentration factor (BCF)	:	Not bioaccumulable Published data

Mobility

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

13. DISPOSAL CONSIDERATIONS

Product Disposal

Prohibition	:	Should not be released into the environment.
Advice on Disposal	:	Dispose of in accordance with local 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. The user's attention is drawn to the possible existence of local regulations regarding disposal.
Reason for waste disposal	:	Empty packaging 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

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

Other regulations	:	The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

16. OTHER INFORMATION

Label elements

Additional Labeling: : EUH210 Safety data sheet available on request.

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

R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

Full text of H-Statements referred to under sections 3 and 16.

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.

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.