

MARLIPAL O 13/129

Revision Date 2008/01/31

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE **COMPANY/UNDERTAKING**

Trade name

MARLIPAL O 13/129

INCI

Trideceth-12

Use

industrial use, raw material for washing and cleaning agents, raw material for textile auxiliary agents, surface-active substance

Company

SASOL Germany GmbH Geschäftsbereich Tenside Paul-Baumann-Str. 1

Information (Product safety):

45764 Marl

+ 49 (0) 23 65 - 49 47 05 Fax: + 49 (0) 23 65 - 49 92 40

E-mail:

msds-info.germany@de.sasol.com

Emergency telephone

+ 49 (0) 23 65 - 49 22 32

2. HAZARDS IDENTIFICATION

Identification of the risks

Harmful

Harmful if swallowed.

Risk of serious damage to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a preparation in the meaning of regulation (EC) 1907/2006.

COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGLATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS CONTENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES

isotridecanol, ethoxylated (>5-20 EO)

content: 90 %

component type: Active ingredient

CAS-No.: 69011-36-5 Classification:

Index-No.: Xn Xi

EC-No.: R41;

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

Other data

The base materials of the polymer are included in the EINECS Inventory.

4. FIRST AID MEASURES

General advice

Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible).

Skin contact

Wash off with plenty of water.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a

physician.

Ingestion

Do NOT induce vomiting. Call a physician immediately.



MARLIPAL O 13/129

Version: 4.01

Revision Date 2008/01/31

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, Dry powder, Foam, Carbon dioxide (CO2)

Further information

Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Environmental precautions

Avoid subsoil penetration. Do not flush into surface water or sanitary sewer

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder,

universal binder, sawdust).

7. HANDLING AND STORAGE

HANDLING

Safe handling advice

Wear personal protective equipment. Avoid contact with skin and eyes.

Advice on protection against

No special protective measures against fire required.

STORAGE

Storage classification (VCI system/Germany):

10; Flammable liquids unless included in German LGK 3 (LGK - storage class)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

no data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

no data available

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

Hand protection

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into considerat the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

gloves suitable for permanent contact:

Material: butyl-rubber

Break through time: >= 480 min Material thickness: >= 0.7 mm



MARLIPAL O 13/129

Version: 4.01

Revision Date 2008/01/31

gloves suitable for splash protection: Material: Nitrile rubber/nitrile latex

Break through time: >= 30 min Material thickness: >= 0.4 mm

Eye protection

Tightly fitting safety goggles

Protective measures

Ávoid contact with eyes. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Colour

colourless

Odour

mild

5 - 7; 20 g/l; 20 °C

Melting point/range

ca. -3 °C

Boiling point/boiling range

not applicable

Flash point

not applicable

Ignition temperature

ca. 360 °C; DIN 51794

Vapour pressure

not applicable

Density

ca. 1.00 g/cm3; 20 °C 20 °C; completely miscible

Water solubility Viscosity, dynamic

ca. 40 mPas; 50 °C

10. STABILITY AND REACTIVITY

Hazardous decomposition

No decomposition if stored normally.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

Alcohols, C8-18, ethoxylated (>5-20 EO): LD50 rat: > 200 - 2,000 mg/kg; own test results/literature values

Acute dermal toxicity

Alcohols, C8-18, ethoxylated (>5-20 EO):

LD50 rat: > 2,000 mg/kg; own test results/literature values

Skin irritation

Eye irritation

Alcohols, C8-18, ethoxylated (>5-20 EO):

rabbit: not irritating; own test results/literature values

Alcohols, C8-18, ethoxylated (>5-20 EO): rabbit: Risk of serious damage to eyes.; own test results/literature values

Sensitisation

Alcohols, C8-18, ethoxylated (>5-20 EO): Maximisation Test (GPMT) guinea pig: not sensitizing; own test

results/literature values

Genotoxicity in vitro

Alcohols, C8-18, ethoxylated (>5-20 EO): Ames test: not mutagenic; own test results/literature values

12. ECOLOGICAL INFORMATION

Biodegradability

ECOTOXICITY EFFECTS

alcohols branched/linear, ethoxylated: Readily biodegradable.; > 70 %; 28 d; OECD Test Guideline 301 A (new version); own test results/literature values

alcohols branched/linear, ethoxylated: Readily biodegradable.; > 60 %; 28 d; OECD Test Guideline 301 B; own test results/literature values

Print Date 2009/06/22

000000003369 CONSDBWELT E



MARLIPAL O 13/129

Version: 4.01 Revision Date 2008/01/31

Toxicity to fish

alcohols branched/linear, ethoxylated: LC50 Cyprinus carpio: > 1 - 10 mg/l; 96 h; OECD Test Guideline 203; own test results/literature values

Toxicity to daphnia alcohols branched/linear, ethoxylated:

EC50 Daphnia magna: > 1 - 10 mg/l; 48 h; OECD Test Guideline 202; own test results/literature values

Toxicity to algae alcohols branched/linear, ethoxylated:

EC50 Scenedesmus subspicatus: > 1 - 10 mg/l; 72 h; OECD Test Guideline 201; own test results/literature values

13. DISPOSAL CONSIDERATIONS

Product Can be incinerated, when in compliance with local regulations.

No dangerous good

No dangerous good

waste code of the European

Union: EWC

A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

14. TRANSPORT INFORMATION

No dangerous good ADR RID

ADNR No dangerous good IMDG No dangerous good

15. REGULATORY INFORMATION

LABELLING

ICAO/IATA

Regulatory base 1999/45/EC Symbol(s) Xn: Harmful

R22: Harmful if swallowed. R-phrase(s)

R41: Risk of serious damage to eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and S-phrase(s)

seek medical advice.

S39: Wear eye/face protection. S60: This material and/or its container must be disposed of as hazardous

Hazardous components which must be listed on the label

ISOTRIDECANOL, ETHOXYLATED (>5-20 EO)

Explanation of classification and labelling requirements

The surfactant(s) contained in this product is (are) classified according to CESIO recommendations.

NATIONAL/OTHER REGULATIONS

Occupational restrictions

Employment restrictions for children and young workers in accordance with Directive 94/33/EC and the respective national provisions are to be observed.

Employment restrictions for pregnant workers, workers who have recently given birth and nursing mothers in accordance with Directive 92/85/EEC and the respective national provisions are to be observed.

Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

list entry in the directive: Directive 96/82/EC does not apply



MARLIPAL O 13/129

Version: 4.01

Revision Date 2008/01/31

Other regulations

The surfactant(s) contained in this preparation 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

Text of R-phrases mentioned in Section 3
R22 Harmful if swallowed.

Risk of serious damage to eyes.

| Indicates updated section.

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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product