

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

| | |
|--------------------------------------|---|
| Trade name | MARLOX MO 124 /000/ Bulkware |
| Substance name (REACH / CLP): | Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO) (CAS: 68439-51-0) |

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

| | |
|-------------------------------------|---|
| Use of the Substance/Mixture | Industrial use, raw material for washing and cleaning agents, raw material for textile auxiliary agents, surface-active substance, Defoamer |
|-------------------------------------|---|

Uses advised against**1.3 Details of the supplier of the safety data sheet**

| | |
|-------------------------------------|--|
| Company | SASOL Germany GmbH Anckelmannsplatz 1 20537 Hamburg Germany |
| | Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700 |
| Information (Product safety) | E-mail: msds-info.germany@de.sasol.com |

1.4 Emergency telephone number

| | | |
|-----------------------------------|---------------------------|------------------------------|
| Emergency telephone number | + 49 (0) 23 65 - 49 22 32 | |
| | +44 1235 239670 | Europe |
| | +44 1235 239671 | Middle East, Africa |
| | +1 215 207 0061 | North America, South America |
| | +65 3158 1074 | Asia Pacific Region |
| | +44 1865 407333 | Global (english) |

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

| | |
|---|--|
| Eye irritation Category 2 | Causes serious eye irritation. |
| Short-term (acute) aquatic hazard Category 1 | Very toxic to aquatic life. |
| Long-term (chronic) aquatic hazard Category 3 | Harmful to aquatic life with long lasting effects. |

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

Hazard pictograms**Signal word**

Warning

Hazard statements

H319

Causes serious eye irritation.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements

P264

Wash skin thoroughly after handling.

P273

Avoid release to the environment.

P280

Wear eye protection/ face protection.

P337 + P313

If eye irritation persists: Get medical advice/ attention.

P391

Collect spillage.

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO) (CAS: 68439-51-0)

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

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

COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES**Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO)****content:** >= 90 - <= 100 %**component type:** Active ingredient**EC-No.:** 931-986-9**Index-No.:****CAS-No.:** 68439-51-0**REACH No.:** Not relevant (polymer)**Substance name (REACH / CLP):** Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO) (CAS: 68439-51-0)

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

| | | | |
|--|-----------------------------------|---|------|
| Classification (Regulation (EC) No 1272/2008) | Eye Irrit. | 2 | H319 |
| | Aquatic Acute | 1 | H400 |
| | Aquatic Chronic | 3 | H412 |
| | M-Factor (Acute aquatic toxicity: | 1 | |

For information on ingredients listed on the candidate list (Candidate List of Substances of Very High Concern for Authorisation) or in the list of substances subject to authorization (Annex XIV of Regulation (EC) No 1907/2006), see section 15.1. of this data sheet.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|--------------------------------|--|
| General advice | If you feel unwell, seek medical advice (show the label where possible). Take off all contaminated clothing immediately. |
| If inhaled | Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician. |
| In case of skin contact | Wash off with plenty of water. |
| In case of eye contact | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| If swallowed | Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--------------------------------|
| Symptoms | No information available. |
| Risks | Causes serious eye irritation. |

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

| | |
|-------------------------------------|---|
| Suitable extinguishing media | Water spray, Dry powder, Foam, Carbon dioxide (CO2) |
|-------------------------------------|---|

5.2 Special hazards arising from the substance or mixture

| | |
|---|---------------------------|
| Specific hazards during firefighting | No information available. |
|---|---------------------------|

5.3 Advice for firefighters

| | |
|--|------------------------------------|
| Special protective equipment for firefighters | Use personal protective equipment. |
|--|------------------------------------|



MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

Further information Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment.
Special precautions No conditions to be specially mentioned.

6.2 Environmental precautions

Environmental precautions Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Wear personal protective equipment.
Advice on protection against fire and explosion No special protective measures against fire required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers No special storage conditions required.

7.3 Specific end use(s)

Specific use(s) This information is not available.

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****COMPONENTS WITH WORKPLACE CONTROL PARAMETERS****National occupational exposure limits**

Contains no substances with occupational exposure limit values.

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)**Substance name: Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO) (CAS: 68439-51-0)**

No data available

PREDICTED NO EFFECT CONCENTRATION (PNEC)**Substance name: Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO) (CAS: 68439-51-0)**

No data available

8.2 Exposure controls**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

Material: butyl-rubber
Break through time: \geq 480 min
Glove thickness: \geq 0.7 mm

Material: Nitrile rubber
Break through time: \geq 30 min
Glove thickness: \geq 0.4 mm

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 consideration 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,

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

due to the numerous outside influences (e.g. temperature).

| | |
|---------------------------------|--|
| Eye protection | Tightly fitting safety goggles |
| Skin and body protection | Wear suitable protective equipment. |
| Hygiene measures | Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wear suitable gloves and eye/face protection. |
| Protective measures | Avoid contact with eyes. Wear suitable gloves and eye/face protection. |

ENVIRONMENTAL EXPOSURE CONTROLS

| | |
|-----------------------|--|
| General advice | Should not be released into the environment. |
|-----------------------|--|

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | Physical state: liquid; 20 °C; 1,013 hPa Shape: Liquid |
| Colour | colourless |
| Odour | mild |
| Odour Threshold | No valid method available. |
| Melting point/range | < -10 °C |
| Boiling point/boiling range | No data available |
| Flammability | No data available |
| Upper explosion limit | No data available |
| Lower explosion limit | No data available |
| Flash point | > 150 °C; DIN 51376 |
| Auto-ignition temperature | > 300 °C; DIN 51794 |
| Decomposition temperature | No decomposition if used as directed. |
| pH | 5 - 7; 20 g/l; 20 °C |
| Viscosity | |
| Viscosity, kinematic | No data available |
| Solubility(ies) | |
| Water solubility | 20 °C; completely miscible |
| Partition coefficient: n-octanol/water | Not applicable |
| Vapour pressure | < 0.1 hPa; 20 °C |

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

Density ca.0.94 g/cm³; 20 °C
Relative vapour density > 1

9.2 Other information

Explosives not expected based on structure and functional groups
Oxidizing properties not expected based on structure and functional groups
Self-ignition not auto-flammable
Evaporation rate No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Note Stable at normal ambient temperature and pressure.
No decomposition if stored and applied as directed.

10.2 Chemical stability

Note No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions None known.

10.4 Conditions to avoid

Conditions to avoid Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.

10.5 Incompatible materials to avoid

Materials to avoid None known.;

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition if stored normally.
Thermal decomposition No decomposition if used as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute toxicity**

Not classified based on available information.

Acute oral toxicity

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
LD50 Rat: > 2,000 - 5,000 mg/kg
Category approach
Based on available data, the classification criteria are not met.

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

Acute inhalation toxicity *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
No data available

Acute dermal toxicity *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
No data available

Skin corrosion/irritation

Not classified based on available information.

Skin irritation *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
Rabbit: slightly irritating; OECD Test Guideline 404
Category approach
Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Causes serious eye irritation.

Eye irritation *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
Rabbit: Irritation to eyes, reversing within 7 days; OECD Test Guideline 405
Category approach
Causes eye irritation.

Skin sensitisation / Respiratory sensitisation

Skin contact: Not classified based on available information.

Inhalation: Not classified based on available information.

Sensitisation *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
Skin sensitisation :
not expected based on structure and functional groups
Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
Respiratory sensitisation :
No data available

Germ cell mutagenicity

Not classified based on available information.

Genotoxicity in vitro *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
not expected based on structure and functional groups

Genotoxicity in vivo *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
No data available

Carcinogenicity

Not classified based on available information.

Carcinogenicity *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
This information is not available.

Reproductive toxicity

Not classified based on available information.

Effects on fertility *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
This information is not available.

Effects on foetal development *Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):*
This information is not available.

STOT - single exposure

Not classified based on available information.

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

Assessment

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Not classified based on available information.

Assessment

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):

This information is not available.

Aspiration hazard

Not classified based on available information.

Aspiration toxicity

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
Not applicable

11.2 Information on other hazards**Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity**Toxicity to fish**

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
LC50 (96 h) Cyprinus carpio (Carp): > 0.1 - 1 mg/l ; semi-static test; OECD Test Guideline 203
Category approach

Toxicity to fish - Chronic toxicity

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
No data available

Toxicity to daphnia and other aquatic invertebrates

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
EC50 (48 h) Daphnia magna (Water flea): > 0.1 - 1 mg/l ; static test; OECD Test Guideline 202
Category approach

Toxicity to aquatic plants

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
EC50 (72 h) Desmodesmus subspicatus (green algae): > 0.1 - 1 mg/l ; Growth rate; static test; OECD Test Guideline 201; Category approach

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
EC10 (72 h) Desmodesmus subspicatus (green algae): > 0.1 - 1 mg/l ; Growth rate; static test; OECD Test Guideline 201; Category approach

M-Factors

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
M-Factor (Acute aquatic toxicity): 1

Toxicity to bacteria

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
EC50 (3 h) activated sludge of a predominantly domestic sewage: 990 mg/l;

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

Respiration inhibition; OECD Test Guideline 209
Category approach

12.2 Persistence and degradability**Biodegradability**

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 301B
Category approach

12.3 Bioaccumulative potential**Bioaccumulation**

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
No data available

12.4 Mobility in soil**Distribution among
environmental compartments**

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
No data available

12.5 Results of PBT and vPvB assessment**Results of PBT assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Results of PBT assessment

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Endocrine disrupting properties**Endocrine disrupting potential**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects**Additional ecological
information**

Alcohols C12-14, ethoxylated, propoxylated (>=2.5 EO/PO):
Very toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

Can be incinerated, when in compliance with local regulations.

Waste Code

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.

SECTION 14: TRANSPORT INFORMATION



MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

14.1 UN number or ID number

| | |
|-----------|------|
| ADR | 3082 |
| RID | 3082 |
| ADN | 3082 |
| IMDG | 3082 |
| ICAO/IATA | 3082 |

14.2 UN proper shipping name

| | |
|-----------|---|
| ADR | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol, C12-C14, ethoxylated, propoxylated) |
| RID | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol, C12-C14, ethoxylated, propoxylated) |
| ADN | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol, C12-C14, ethoxylated, propoxylated) |
| IMDG | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol, C12-C14, ethoxylated, propoxylated) |
| ICAO/IATA | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol, C12-C14, ethoxylated, propoxylated) |

14.3 Transport hazard class(es)

| | |
|-----------|---|
| ADR | 9 |
| RID | 9 |
| ADN | 9 |
| IMDG | 9 |
| ICAO/IATA | 9 |

14.4 Packing group

| | |
|-----------|-----|
| ADR | III |
| RID | III |
| ADN | III |
| IMDG | III |
| ICAO/IATA | III |

14.5 Environmental hazards

| | | |
|-----------|---------------------------|-----|
| ADR | Environmentally hazardous | yes |
| RID | Environmentally hazardous | yes |
| ADN | Environmentally hazardous | yes |
| IMDG | Marine pollutant | yes |
| ICAO/IATA | Environmentally hazardous | yes |

14.6 Special precautions for user

| | | |
|-----------|------------------------------|-----|
| ADR | Hazard Identification Number | 90 |
| | Labels | 9 |
| | Tunnel restriction code | (-) |
| IMDG | Labels | 9 |
| | EmS Number 1 | F-A |
| | EmS Number 2 | S-F |
| ICAO/IATA | Labels | 9 |

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

14.7 Maritime transport in bulk according to IMO instruments

Remarks No information available.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**EU PIC: Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals**

Not applicable

EU SVHC: REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Not applicable

EU. REACH-Annex XIV: REACH - List of substances subject to authorisation (Annex XIV)

Not applicable

EC 1005/2009: Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

EU POP: Regulation (EU) 2019/1021 on persistent organic pollutants (recast)

Not applicable

UK. REACH Annex XIV: UK REACH List of substances subject to authorisation (Annex XIV)

Not applicable

UK SVHC: UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation

Not applicable

GB POPs: The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)

Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

Number on list: 3

See Annex XVII to Regulation (EC) no 1907/2006 and amendments for Conditions of restriction

Legislation on the control of major-accident hazards involving dangerous substances**Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-**

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

accident hazards involving dangerous substances.

list entry in the directive:: ENVIRONMENTAL HAZARDS; E1

Qualifying quantity 1: 100 t; Qualifying quantity 2: 200 t;

Other regulations

This surfactant complies 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.

Notification status

| | | |
|---|------------|---|
| Australian Inventory of Industrial Chemicals | ZAU_AIIC | listed (product or constituents are listed) |
| Canadian Domestic Substances List (DSL) | DSL | listed (product or constituents are listed) |
| Switzerland. Consolidated Inventory (based on EU-EINECS and EU-NLP) | CH INV | listed (product or constituents are listed) |
| Japan. ENCS - Existing and New Chemical Substances Inventory | ENCS (JP) | listed (product or constituents are listed) |
| Japan. ISHL - Inventory of Chemical Substances | ISHL (JP) | listed (product or constituents are listed) |
| Korea. Korean Existing Chemicals Inventory (KECI) | KECI (KR) | listed (product or constituents are listed) |
| China. Inventory of Existing Chemical Substances in China (IECSC) | IECSC | listed (product or constituents are listed) |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | PICCS (PH) | listed (product or constituents are listed) |
| Taiwan Chemical Substance Inventory (TCSI) | ZTW_INV | listed (product or constituents are listed) |
| United States TSCA Inventory | TSCA | listed (product or constituents are listed) |

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment

Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO) (CAS: 68439-51-0)

A Chemical Safety Assessment is not required for this substance (exempted from obligation to register).

SECTION 16: OTHER INFORMATION

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

| | |
|------|--|
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21

Safety datasheet sections which have been updated:

1. Identification of the substance/mixture and of the company/undertaking
2. Hazards identification
3. Composition/information on ingredients
4. First aid measures
9. Physical and chemical properties
11. Toxicological information
12. Ecological information
15. Regulatory information
16. Other information

Further information:

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 specification.

Key or legend to abbreviations and acronyms used in the safety data sheet

| | |
|-----------|---|
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure |
| ADR | Accord européen relatif au transport international des marchandises Dangereuses par Route |
| AICS | Australian Inventory of Chemical Substances |
| ANSI | American National Standards Institute |
| ASTM | American Society of Testing and Materials (US) |
| BCF | Bioconcentration factor |
| CLP | Regulation on Classification, Labelling and Packaging of Substances and Mixtures |
| DIN | Deutsches Institut für Normung |
| DNEL | Derived No-Effect Level |
| DSL | Domestic Substances List |
| EC... | Effect concentration ... % |
| ENCS | Existing Notified Chemical Substances (Japan) |
| EWC | European Waste Catalogue |
| IATA | International Air Transport Association |
| IBC | Intermediate Bulk Container |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISHL | Industrial Safety and Health Law (Japan) |
| ISO | International Organization for Standardization |
| IUAPC | International Union of Pure and Applied Chemistry |
| KECI | Korea Existing Chemicals Inventory |
| LC... | Lethal Concentration, ...% |
| LD... | Lethal Dose, ...% |
| MARPOL | International Convention for the Prevention of Pollution From Ships |
| NDSL | Non-Domestic Substances List |
| NOAEL | no observable adverse effect level |
| NOEL/NOEC | No Observed-effect level/concentration |
| NZIoC | New Zealand Inventory of Chemicals |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | persistent, bioaccumulative, toxic |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport international ferroviaire de marchandises dangereuses |
| TG | Test Guideline |
| TRGS | Technische Regeln für Gefahrstoffe |
| TSCA | Toxic Substances Control Act |
| vPvB | very persistent, very bioaccumulative |
| WGK | Wassergefährdungsklasse |



MARLOX MO 124 /000/ BULKWARE

Version: 10.00

Date of first issue: 2001/06/27

Revision Date: 2023/07/31

Date of last issue: 2017/06/21
