

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

B 15 Wipe Disinfectant

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

Relevant identified uses

B 15 is an aldehyde-free concentrate for simultaneously disinfecting and cleaning all washable surfaces and objects (floors, walls, fixtures, devices).

Products Category [PC]

PC 8 - Biocidal product

Uses advised against

None, if handled according to order.

Remark

The product is intended for professional use.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

orochemie GmbH + Co. KG

Street : Max-Planck-Straße 27

Postal code/city : 70806 Kornwestheim

Telephone : +49 7154 1308-0

Telefax : +49 7154 1308-40

Information contact : info@orochemie.de - www.orochemie.de

1.4 Emergency telephone number

INT: +49 6132 84463 (24 h/7 d)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Met. Corr. 1 ; H290 - Corrosive to metals : Category 1 ; May be corrosive to metals.

Acute Tox. 4 ; H302 - Acute toxicity (oral) : Category 4 ; Harmful if swallowed.

Skin Corr. 1A ; H314 - Skin corrosion/irritation : Category 1A ; Causes severe skin burns and eye damage.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

STOT RE 2 ; H373 - STOT-repeated exposure : Category 2 ; May cause damage to organs through prolonged or repeated exposure.

Aquatic Acute 1 ; H400 - Hazardous to the aquatic environment : Acute 1 ; Very toxic to aquatic life.

Aquatic Chronic 1 ; H410 - Hazardous to the aquatic environment : Chronic 1 ; Very toxic to aquatic life with long lasting effects.

Classification procedure

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP] as well as in-house investigations.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)



Health hazard (GHS08) · Corrosion (GHS05) · Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE ; CAS No. : 2372-82-9
DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1
FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8
SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8
POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3

Hazard statements

H290 May be corrosive to metals.
H373 May cause damage to organs through prolonged or repeated exposure.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
P280 Wear protective gloves and eye/face protection.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container to hazardous or special waste collection point.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

B 15 contains quaternary ammonium compounds, alkylamines, non-ionic surfactants, alkaline cleaning components, complexing agents, fragrances and auxiliary agents in aqueous solution.

Hazardous ingredients

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE ; REACH No. : 01-2119980592-29 ; EC No. : 219-145-8 ; CAS No. : 2372-82-9 (M Acute=10) (M Chronic=1)

Weight fraction : $\geq 10 - < 15 \%$
Classification 1272/2008 [CLP] : Acute Tox. 3 ; H301 STOT RE 2 ; H373 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; REACH No. : 01-2119950327-36 ; EC No. : 619-057-3 ; CAS No. : 94667-33-1 (M=10)

Weight fraction : $\geq 5 - < 10 \%$
Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

FATTY ALCOHOL POLYGLYCOL ETHER ; REACH No. : 02-2119549526-31 ; CAS No. : 78330-20-8

Weight fraction : $\geq 5 - < 10 \%$
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

SODIUM ETHYLENEDIAMINETETRAACETATE ; REACH No. : 01-2119486762-27 ; EC No. : 200-573-9 ; CAS No. : 64-02-8

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Weight fraction : $\geq 1 - < 3 \%$
Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H332
POTASSIUM HYDROXIDE ; REACH No. : 01-2119487136-33 ; EC No. : 215-181-3 ; CAS No. : 1310-58-3
Weight fraction : $\geq 1 - < 2 \%$
Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302
ETHANEDIOL ; REACH No. : 01-2119456816-28 ; EC No. : 203-473-3 ; CAS No. : 107-21-1
Weight fraction : $\geq 1 - < 3 \%$
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Wash with plenty of water. When in doubt or if symptoms are observed, get medical advice.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water Never give anything by mouth to an unconscious person or a person with cramps. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂) Extinguishing powder Water spray jet Water mist The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

None known.

Hazardous combustion products

None known.

5.3 Advice for firefighters

Adapt protective equipment to surrounding fire.

Special protective equipment for firefighters

Adapt protective equipment to surrounding fire.

SECTION 6: Accidental release measures

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. See protective measures under point 7 and 8.

For non-emergency personnel

Use personal protection equipment. See protective measures under point 7 and 8.

For emergency responders

Personal protection equipment

See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

For cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

Other information

Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep/Store only in original container. Notice the directions for use on the label. Handle and open container with care. Provide adequate ventilation. Do not breathe vapour/aerosol.

Protective measures

Measures to prevent fire

Usual measures for fire prevention. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed. Keep in a cool, well-ventilated place. Do not store in temperatures below 5 °C.

Hints on joint storage

Store the foodstuffs separately.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

ETHANEDIOL ; CAS No. : 107-21-1

Limit value type (country of origin) : STEL (EC)

Limit value : 40 ppm / 104 mg/m³

Remark : Skin

Version : 20.06.2019

Limit value type (country of origin) : TWA (EC)

Limit value : 20 ppm / 52 mg/m³

Remark : Skin

Version : 20.06.2019

Limit value type (country of origin) : TLV/STEL (GB)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Limit value : 40 ppm / 104 mg/m³
Limit value type (country of origin) : TLV/TWA (GB)
Limit value : 20 ppm / 52 mg/m³
POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3
Limit value type (country of origin) : TLV/STEL (GB)
Limit value : 2 mg/m³

DNEL-/PNEC-values

There are no data available on the preparation itself.

DNEL/DMEL

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE ; CAS No. : 2372-82-9

Limit value type : DNEL Consumer (systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 0,7 mg/m³
Limit value type : DNEL Consumer (systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 0,54 mg/kg
Safety factor : 24 h

Limit value type : DNEL Consumer (systemic)
Exposure route : Oral
Exposure frequency : Long-term
Limit value : 0,2 mg/kg
Safety factor : 24 h

Limit value type : DNEL worker (systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 2,35 mg/m³
Limit value type : DNEL worker (systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 0,91 mg/kg
Safety factor : 24 h

DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1

Limit value type : DNEL/DMEL (Consumer)
Exposure route : Inhalation
Limit value : 0,12 mg/m³

Limit value type : DNEL/DMEL (Consumer)
Exposure route : Dermal
Limit value : 0,35 mg/kg

Limit value type : DNEL/DMEL (Consumer)
Exposure route : Oral
Limit value : 0,35 mg/kg

Limit value type : DNEL/DMEL (Industrial)
Exposure route : Inhalation
Limit value : 0,5 mg/m³

Limit value type : DNEL/DMEL (Industrial)
Exposure route : Dermal
Limit value : 0,7 mg/kg

SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8

Limit value type : DNEL Consumer (local)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 1,5 mg/m³

Limit value type : DNEL Consumer (local)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Exposure route : Inhalation
Exposure frequency : Short-term
Limit value : 1,5 mg/m³
Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 1,5 mg/m³
Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation
Exposure frequency : Short-term
Limit value : 1,5 mg/m³
Limit value type : DNEL Consumer (systemic)

Exposure route : Oral
Exposure frequency : Long-term
Limit value : 25 mg/kg
Safety factor : 24 h
Limit value type : DNEL worker (local)

Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 2,5 mg/m³
Limit value type : DNEL worker (local)

Exposure route : Inhalation
Exposure frequency : Short-term
Limit value : 2,5 mg/m³
Limit value type : DNEL worker (systemic)

Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 2,5 mg/m³
Limit value type : DNEL worker (systemic)

Exposure route : Inhalation
Exposure frequency : Short-term
Limit value : 2,5 mg/m³
Limit value type : DNEL worker (systemic)

POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3
Limit value type : DNEL Consumer (local)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 1 mg/m³
Limit value type : DNEL worker (local)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 1 mg/m³

ETHANEDIOL ; CAS No. : 107-21-1
Limit value type : DNEL Consumer (local)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 7 mg/m³
Limit value type : DNEL Consumer (systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 53 mg/kg
Limit value type : DNEL worker (local)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 35 mg/m³
Limit value type : DNEL worker (systemic)
Exposure route : Dermal

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Exposure frequency : Long-term
Limit value : 106 mg/kg

PNEC

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE ; CAS No. : 2372-82-9

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 0,001 mg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 0,0001 mg/l
Limit value type : PNEC (Sediment, freshwater)
Limit value : 8,5 mg/kg
Limit value type : PNEC (Sediment, marine water)
Limit value : 0,85 mg/kg
Limit value type : PNEC (Soil)
Limit value : 45,34 mg/kg
Limit value type : PNEC (Sewage treatment plant)
Limit value : 1,33 mg/l

DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 0,001 mg/l
Limit value type : PNEC (Industrial)
Exposure route : Soil
Limit value : 2,83 mg/kg
Limit value type : PNEC (Sediment, freshwater)
Limit value : 5,3 mg/kg
Limit value type : PNEC (Sewage treatment plant)
Limit value : 0,118 mg/l

SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 2,2 mg/l
Limit value type : PNEC (Aquatic, intermittent release)
Limit value : 1,2 mg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 0,22 mg/l
Limit value type : PNEC Soil, Freshwater
Limit value : 0,72 mg/kg
Limit value type : PNEC (Sewage treatment plant)
Limit value : 43 mg/l

ETHANEDIOL ; CAS No. : 107-21-1

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 10 mg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 1 mg/l
Limit value type : PNEC (Industrial)
Exposure route : Soil
Limit value : 1,53 mg/kg
Limit value type : PNEC (Sediment, freshwater)
Limit value : 20,9 mg/kg
Limit value type : PNEC (Sediment, freshwater)
Limit value : 37 mg/kg
Limit value type : PNEC (Sediment, marine water)
Limit value : 3,7 mg/kg
Limit value type : PNEC (Sewage treatment plant)
Exposure route : Water (Including sewage plant)
Limit value : 199,5 mg/l

8.2 Exposure controls

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Personal protection equipment

Eye/face protection

Eye glasses with side protection DIN EN 166

Skin protection

Hand protection

Short-term exposure (Level 2: < 30 min): disposable gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.1 mm.

Long-term exposure (Level 6: < 480 min): protective gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.7 mm.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. AUS/NZ: Wear impervious rubber gloves (AS2161).

Body protection

Body protection: not required.

Respiratory protection

Usually no personal respiratory protection necessary.

General information

Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Separate storage of work clothes. When using do not eat, drink, smoke, sniff.

Other protection measures

Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid

Colour : light blue

Odour : Amines

Safety characteristics

Melting point/freezing point :	(1013 hPa)		No data available
Initial boiling point and boiling range :	(1013 hPa)	approx.	100 °C
Decomposition temperature :	(1013 hPa)		No data available
Flash point :			not applicable
Auto-ignition temperature :			not applicable
Lower explosion limit :			not applicable
Upper explosion limit :			not applicable
Vapour pressure :	(50 °C)	approx.	125 hPa
Density :	(20 °C)		1,01 - 1,08 g/cm ³
Solvent separation test :	(20 °C)	<	3 %
Water solubility :	(20 °C)		100 Wt %
pH value :			13,5 - 14
pH value :	(20 °C / 10 g/l)		11,4 - 12,4
log P O/W :			No data available
Flow time :	(20 °C)	<	20 s DIN-cup 4 mm
Odour threshold :			No data available
Maximum VOC content (EC) :			1,1 Wt %
Oxidising liquids :			Not applicable.
Explosive properties :			Not applicable.
Corrosive to metals :			No data available.

9.2 Other information

None

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

SECTION 10: Stability and reactivity

10.1 Reactivity

None, if handled according to order.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7). Reactions with acids: development of heat.

10.3 Possibility of hazardous reactions

Reactions with acids possible

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Acid

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful: possible risk of irreversible effects if swallowed.

Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 300 mg/kg
Method :	OECD 401
Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	639 mg/kg
Parameter :	ATE (N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE ;CAS No. : 2372-82-9)
Exposure route :	Oral
Effective dose :	100 mg/kg
Parameter :	ATE (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE (POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3)
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE (ETHANEDIOL ; CAS No. : 107-21-1)
Exposure route :	Oral
Effective dose :	500 mg/kg

Practical experience/human evidence

Harmful if swallowed.

Acute dermal toxicity

Parameter :	LD50
Exposure route :	Dermal

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Species : Rat
Effective dose : > 2000 mg/kg
Method : OECD 402
Parameter : ATEmix calculated
Exposure route : Dermal
Effective dose : not relevant
1 % solution.

Acute inhalation toxicity

Parameter : ATEmix calculated
Exposure route : Inhalation (vapour)
Effective dose : not relevant
Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Exposure route : Inhalation
Species : Rat
Effective dose : 30 mg/l
Exposure time : 6 h

Corrosion

Causes severe skin burns and eye damage. In vitro skin corrosion: corrosive. Method : OECD 431.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met. Guinea-pig: non-sensitizing (1 % solution). Method : OECD 406.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.5 Additional information

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP] as well as in-house investigations.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Very toxic to aquatic life with long lasting effects.

Acute (short-term) fish toxicity

Parameter : LC50 (POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3)
Species : Gambusia affinis (Mosquito fish)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 80 mg/l
Exposure time : 96 h
Parameter : LC50 (ETHANEDIOL ; CAS No. : 107-21-1)
Species : Pimephales promelas (fathead minnow)
Evaluation parameter : Acute (short-term) fish toxicity

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Effective dose : 53000 mg/l
Exposure time : 96 h
Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Lepomis macrochirus (Bluegill)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 951 mg/l
Exposure time : 96 h
Parameter : LC50 (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Species : Brachydanio rerio (zebra-fish)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 0,78 mg/l
Exposure time : 96 h
Method : OECD 203
Parameter : LC50 (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Species : Leuciscus idus (golden orfe)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 10 - 100 mg/l
Exposure time : 96 h
Method : DIN 38412 / part 15
Parameter : LC50 (3-AMINOPROPYL-DODECYLPROPANE-DIAMINE ; CAS No. : 2372-82-9)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 0,68 mg/l
Exposure time : 96 h
Method : OECD 203
Parameter : LC50 (ETHANEDIOL ; CAS No. : 107-21-1)
Species : Pimephales promelas (fathead minnow)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 72860 mg/l
Exposure time : 96 h
Parameter : LC50 (POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3)
Species : Poecilia reticulata (Guppy)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 165 mg/l
Exposure time : 24 h
Parameter : LC50 (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Species : Cyprinus carpio (Common Carp)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 0,63 mg/l
Exposure time : 96 h
Method : OECD 203
Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Leuciscus idus (golden orfe)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 2040 mg/l
Exposure time : 96 h
Parameter : LC50 (3-AMINOPROPYL-DODECYLPROPANE-DIAMINE ; CAS No. : 2372-82-9)
Species : Lepomis macrochirus (Bluegill)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 0,45 mg/l
Exposure time : 96 h
Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Lepomis macrochirus (Bluegill)
Evaluation parameter : Acute (short-term) fish toxicity

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Effective dose : > 100 mg/l
Exposure time : 96 h
Parameter : LC50 (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Species : Lepomis macrochirus (Bluegill)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 0,52 mg/l
Exposure time : 96 h

Chronic (long-term) fish toxicity

Parameter : NOEC (ETHANEDIOL ; CAS No. : 107-21-1)
Species : Pimephales promelas (fathead minnow)
Evaluation parameter : Chronic (long-term) fish toxicity
Effective dose : 15380 mg/l
Exposure time : 168 h
Parameter : NOEC (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Brachydanio rerio (zebra-fish)
Evaluation parameter : Chronic (long-term) fish toxicity
Effective dose : >= 36,9 mg/l
Exposure time : 840 h
Method : OECD 210

Acute (short-term) toxicity to crustacea

Parameter : EC50 (ETHANEDIOL ; CAS No. : 107-21-1)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 51000 mg/l
Exposure time : 48 h
Parameter : EC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 140 mg/l
Exposure time : 48 h
Parameter : EC50 (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,07 mg/l
Exposure time : 48 h
Method : OECD 202
Parameter : EC50 (FATTY ALKOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Species : Daphnia
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 10 - 100 mg/l
Exposure time : 48 h
Method : DIN 38412 / part 11
Parameter : EC50 (3-AMINOPROPYL-DODECYLPROPANE-DIAMINE ; CAS No. : 2372-82-9)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,073 mg/l
Exposure time : 48 h
Parameter : EC50 (ETHANEDIOL ; CAS No. : 107-21-1)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 100 mg/l
Exposure time : 48 h
Method : OECD 202
Parameter : EC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 500 mg/l
Exposure time : 24 h

Chronic (long-term) toxicity to crustacea

Parameter : NOEC (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : 25 mg/l
Exposure time : 504 h

Parameter : NOEC (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : 0,25 mg/l
Exposure time : 504 h

Method : OECD 211

Parameter : NOEC (FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : > 1 mg/l
Exposure time : 504 h

Method : OECD 202

Parameter : NOEC (3-AMINOPROPYL-DODECYLPROPANE-DIAMINE ; CAS No. : 2372-82-9)

Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : 0,024 mg/l
Exposure time : 504 h

Method : OECD 211

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 (ETHANEDIOL ; CAS No. : 107-21-1)

Species : Selenastrum capricornutum
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 24000 mg/l
Exposure time : 168 h

Parameter : EC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)

Species : Algae
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 100 mg/l
Exposure time : 72 h

Parameter : EC50 (FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)

Species : Scenedesmus subspicatus
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 10 - 100 mg/l
Exposure time : 96 h

Method : DIN 38412 / part 9

Parameter : EC50 (ETHANEDIOL ; CAS No. : 107-21-1)

Species : Pseudokirchneriella subcapitata
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 100 mg/l
Exposure time : 96 h

Parameter : ErC50 (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)

Species : Scenedesmus subspicatus
Evaluation parameter : Inhibition of growth rate
Effective dose : 0,34 mg/l

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

Exposure time : 72 h
Parameter : ErC50 (3-AMINOPROPYL-DODECYLPROPANE-DIAMINE ; CAS No. : 2372-82-9)
Species : Pseudokirchneriella subcapitata
Evaluation parameter : Inhibition of growth rate
Effective dose : 0,054 mg/l
Exposure time : 96 h
Parameter : EbC50 (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Species : Desmodesmus subspicatus
Evaluation parameter : Inhibition of growth rate
Effective dose : 0,15 mg/l
Exposure time : 72 h
Method : OECD 201

Chronic (long-term) algae toxicity

Parameter : NOEC (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Species : Scenedesmus subspicatus
Evaluation parameter : Inhibition of growth rate
Effective dose : 0,044 mg/l
Exposure time : 72 h
Parameter : NOEC (3-AMINOPROPYL-DODECYLPROPANE-DIAMINE ; CAS No. : 2372-82-9)
Species : Desmodesmus subspicatus
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 0,0069 mg/l
Exposure time : 72 h
Method : OECD 201

Toxicity to microorganisms

Parameter : EC50 (POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3)
Evaluation parameter : Bacteria toxicity
Effective dose : 22 mg/l
Exposure time : 15 min
Parameter : EC50 (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Evaluation parameter : Bacteria toxicity
Effective dose : 16,8 mg/l
Exposure time : 3 h
Method : OECD 209
Parameter : EC50 (3-AMINOPROPYL-DODECYLPROPANE-DIAMINE ; CAS No. : 2372-82-9)
Evaluation parameter : Bacteria toxicity
Effective dose : 18 mg/l
Exposure time : 3 h
Parameter : EC10 (FATTY ALCOHOL POLYGLYCOL ETHER ; CAS No. : 78330-20-8)
Evaluation parameter : Bacteria toxicity
Effective dose : 48 mg/l
Exposure time : 17 h
Method : DIN 38412 / part 8

Terrestrial toxicity

Toxicity to soil macroorganisms except of arthropods

Acute earthworm toxicity

Parameter : LC50 (SODIUM ETHYLENEDIAMINETETRAACETATE ; CAS No. : 64-02-8)
Species : Acute earthworm toxicity
Effective dose : 156 mg/kg
Exposure time : 336 h
Method : OECD 207

Sewage treatment plant

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

No ecological problems are expected when used and handled properly.

12.2 Persistence and degradability

Abiotic degradation

No data available.

Biodegradation

Parameter : DOC reduction (DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE ; CAS No. : 94667-33-1)
Inoculum : Biodegradation
Degradation rate : 80 %
Test duration : 672 h
Method : OECD 302B

Evidence for inherent biodegradability. The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Distribution

There are no data available on the preparation itself.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Prevent from flowing into surface water/ground water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

After intended use

Disposal operations

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

Recovery operations

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Waste codes/waste designations according to EWC/AVV

Concentrate/larger quantities: 07 06 99* (disinfectant).

SECTION 14: Transport information

14.1 UN number

UN 1719

14.2 UN proper shipping name

Land transport (ADR/RID)

CAUSTIC ALKALI LIQUID, N.O.S. (3-AMINOPROPYL-DODECYL-1,3-PROPANEDIAMINE · DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE)

Sea transport (IMDG)

CAUSTIC ALKALI LIQUID, N.O.S. (3-AMINOPROPYL-DODECYL-1,3-PROPANEDIAMINE · DIDECYL-METHYL-POLY(OXYETHYL)-AMMONIUMPROPIONATE)

Air transport (ICAO-TI / IATA-DGR)

CAUSTIC ALKALI LIQUID, N.O.S. (3-AMINOPROPYL-DODECYL-1,3-PROPANEDIAMINE · DIDECYL-METHYL-

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

POLY(OXYETHYL)-AMMONIUMPROPIONATE)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 8
Classification code : C5
Hazard identification number (Kemler No.) : 80
Tunnel restriction code : E
Special provisions : LQ 1 | E 2
Hazard label(s) : 8 / N

Sea transport (IMDG)

Class(es) : 8
EmS-No. : F-A / S-B
Special provisions : LQ 1 | E 2 · IMDG-Code segregation group 18 - Alkalis
Hazard label(s) : 8 / N

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 8
Special provisions : E 2
Hazard label(s) : 8

14.4 Packing group

II

14.5 Environmental hazards

Land transport (ADR/RID) : Yes
Sea transport (IMDG) : Yes (P)
Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

National regulations

Restrictions of occupation

According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 11. Acute toxicity · 11. Corrosion · 11. Respiratory or skin sensitisation · 11. Carcinogenicity · 11. Germ cell mutagenicity · 11. Reproductive toxicity · 11. STOT-single exposure · 11. STOT-repeated exposure · 11. Aspiration

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

hazard · 12. Aquatic toxicity

16.2 Abbreviations and acronyms

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimates
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CMR = Carcinogen, Mutagen or Reproductive toxicant
CO₂ = Carbon dioxide
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EC = European Commission
EC50 = Half maximal effective concentration
EN = European Standard (Norm)
EU = European Union
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
H statement = GHS Hazard statement
IATA = International Air Transport Association ICAO-TI = International Civil Aviation Organization-Technical Instructions
IMDG = International Maritime Dangerous Goods
LC50 = Median lethal concentration
LD50 = Median lethal dose
LogPow = Logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOEC/NOEL = No observed effect concentration/level
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RMM = Risk Management Measure
RRN = REACH Registration Number
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SVHC = Substances of Very High Concern
TLV/STEL = Threshold limit value/short-term exposure limit
TLV/TWA = Threshold limit value/time weighted average
UN = United Nations
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP] as well as in-house investigations.

16.5 Relevant H- and EUH-phrases (Number and full text)

H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : B 15 Wipe Disinfectant
Revision date : 23.07.2020
Print date : 11.02.2021

Version (Revision) : 5.0.0 (4.0.0)

16.6 Training advice

None

16.7 Additional information

Notice the directions for use on the label.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
