

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Paint Stripper Extra

**Product no.**

-

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Graffiti Removal

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

### 1.3. Details of the supplier of the safety data sheet

**Company and address**

Blue & Green AB

Stenorsvägen 52

261 44 Landskrona

Sweden

Tfn: +46 418 399000

Fax: +46 418 13199

www.blueandgreen.se

**E-mail**

info@blueandgreen.se

**SDS date**

2020-11-12

**SDS Version**

1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Acute Tox. 4; H302

Skin Corr. 1B; H314

Eye Dam. 1; H318

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**



**Signal word**

Danger

**Hazard statement(s)**

Harmful if swallowed. (H302)

Causes severe skin burns and eye damage. (H314)

According to EC-Regulation 2015/830

### Precautionary statements

<b>General</b>	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
<b>Prevention</b>	Do not breathe fume/vapours. (P260).
<b>Response</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. (P303+P361+P353).
<b>Storage</b>	Store locked up. (P405).
<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant. (P501).

### Identity of the substances primarily responsible for the major health hazards

benzyl alcohol; potassium hydroxide

### Additional labelling

Not applicable

### Unique formula identifier (UFI)

4EM6-WXJC-D00N-8AHJ

### 2.3. Other hazards

Not applicable

### Additional warnings

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

### VOC (volatile organic compound)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

NAME:	2-(2-butoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44 Index-no: 603-096-00-8
CONTENT:	25-40%
CLP CLASSIFICATION:	Eye Irrit. 2 H319
NOTE:	L
NAME:	dimethyl glutarate
IDENTIFICATION NOS.:	CAS-no: 1119-40-0 EC-no: 214-277-2 REACH-no: 01-2119900156-49
CONTENT:	15 - <25%
CLP CLASSIFICATION:	NA
NAME:	benzyl alcohol
IDENTIFICATION NOS.:	CAS-no: 100-51-6 EC-no: 202-859-9 REACH-no: 01-2119492630-38 Index-no: 603-057-00-5
CONTENT:	15 - <25%
CLP CLASSIFICATION:	Acute Tox. 4, Eye Irrit. 2 H302, H319, H332
NAME:	dimethyl succinate
IDENTIFICATION NOS.:	CAS-no: 106-65-0 EC-no: 203-419-9 REACH-no: 01-2119486681-29
CONTENT:	5 - <10%
CLP CLASSIFICATION:	NA
NAME:	potassium hydroxide
IDENTIFICATION NOS.:	CAS-no: 1310-58-3 EC-no: 215-181-3 REACH-no: 01-2119487136-33 Index-no: 019-002-00-8
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A H290, H302, H314
NAME:	dimethyl adipate
IDENTIFICATION NOS.:	CAS-no: 627-93-0 EC-no: 211-020-6 REACH-no: 01-2119911093-50
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	NA
NAME:	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
IDENTIFICATION NOS.:	EC-no: 918-481-9 REACH-no: 01-2119457273-39
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Asp.Tox.1;H304
NOTE:	O
NAME:	Hydroxypropylmethylcellulosa
IDENTIFICATION NOS.:	CAS-no: 9004-65-3
CONTENT:	1 - <2.5%

According to EC-Regulation 2015/830

CLP CLASSIFICATION: NA

(\*) O = Organic solvent L = European occupational exposure limit. See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

ATEmix(inhale, vapour) > 20  
 ATEmix(oral) = 1451.696 - <= 2000  
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 11.2384 - 16.8576  
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 7.2864 - 10.9296

Detergent:  
 < 5%: ALIPHATIC HYDROCARBONS

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Bring the person into fresh air and stay with him/her.

##### Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water.

##### Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

##### Ingestion

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

##### Burns

Not applicable

#### 4.2. Most important symptoms and effects, both acute and delayed

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects. This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### 4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned: Get immediate medical advice/attention.

##### Information to medics

Bring this safety data sheet.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

#### 5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

#### 5.3. Advice for firefighters

According to EC-Regulation 2015/830

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

No specific requirements.

### 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Storage temperature

Room temperature 18 to 23°C

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

potassium hydroxide

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | 2 mg/m<sup>3</sup>

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67,5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m<sup>3</sup>

#### DNEL / PNEC

DNEL (dimethyl succinate): 1,1mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (dimethyl succinate): 6.8mg/kg/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (dimethyl succinate): 33,5mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (dimethyl succinate): 1,1mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl succinate): 12,6mg/kg

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (dimethyl succinate): 67mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (dimethyl glutarate): 8,3mg/m<sup>3</sup>

Exposure: Inhalation

According to EC-Regulation 2015/830

Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl glutarate): 49,8mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (dimethyl glutarate): 5mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - General population

DNEL (dimethyl glutarate): 50mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 83 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 67.5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 67.5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 5 mg/kg bw/d

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 50 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 40.5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 101.2 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 40.5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 60.7 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (potassium hydroxide): 1mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (potassium hydroxide): 1mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - General population

DNEL (benzyl alcohol): 22 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 110 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 8 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

According to EC-Regulation 2015/830

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 40 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 5.4 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 27 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - General population

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 4 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 20 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - General population

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 4 mg/kg bw/d

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

Remarks: Registration dossier ECHA

DNEL (benzyl alcohol): 20 mg/kg bw/d

Exposure: Oral

Duration of Exposure: Short term – Systemic effects - General population

Remarks: Registration dossier ECHA

PNEC (dimethyl succinate): 0,05mg/l

Exposure: Freshwater

PNEC (dimethyl succinate): 0,005mg/l

Exposure: Marine water

PNEC (dimethyl succinate): 0,5mg/l

Exposure: Intermittent release

PNEC (dimethyl succinate): 10mg/l

Exposure: Sewage Treatment Plant

PNEC (dimethyl succinate): 0,137mg/kg

Exposure: Freshwater sediment

PNEC (dimethyl succinate): 0,014mg/kg

Exposure: Marine water sediment

PNEC (dimethyl adipate): 0,018mg/l

Exposure: Freshwater

PNEC (dimethyl adipate): 0,0018mg/l

Exposure: Marine water

PNEC (dimethyl adipate): 0,18mg/l

Exposure: Intermittent release

PNEC (dimethyl adipate): 0,16mg/kg

Exposure: Freshwater sediment

PNEC (dimethyl adipate): 0,016

Exposure: Marine water sediment

PNEC (dimethyl adipate): 0,09mg/kg

Exposure: Soil

According to EC-Regulation 2015/830

PNEC (dimethyl adipate): 10mg/l  
Exposure: Sewage Treatment Plant

PNEC (dimethyl glutarate): 0,018mg/l  
Exposure: Freshwater

PNEC (dimethyl glutarate): 0,0018/mg/l  
Exposure: Marine water

PNEC (dimethyl glutarate): 0,018/mg/l  
Exposure: Intermittent release

PNEC (dimethyl glutarate): 0,16mg/kg  
Exposure: Freshwater sediment

PNEC (dimethyl glutarate): 0,016mg/kg  
Exposure: Marine water sediment

PNEC (dimethyl glutarate): 0,09mg/kg  
Exposure: Soil

PNEC (dimethyl glutarate): 10mg/l  
Exposure: Sewage Treatment Plant

PNEC (2-(2-butoxyethoxy)ethanol): 200 mg/l  
Exposure: Sewage Treatment Plant

PNEC (2-(2-butoxyethoxy)ethanol): 0.44 mg/kg dw  
Exposure: Marine water sediment

PNEC (2-(2-butoxyethoxy)ethanol): 4.4 mg/kg dw  
Exposure: Freshwater sediment

PNEC (2-(2-butoxyethoxy)ethanol): 1 mg/l  
Exposure: Freshwater

PNEC (2-(2-butoxyethoxy)ethanol): 0.1 mg/l  
Exposure: Marine water

PNEC (2-(2-butoxyethoxy)ethanol): 3.9 mg/l  
Exposure: Intermittent release

PNEC (2-(2-butoxyethoxy)ethanol): 0.32 mg/kg dw  
Exposure: Soil

PNEC (benzyl alcohol): 1 mg/l  
Exposure: Freshwater  
Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 0.1 mg/l  
Exposure: Marine water  
Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 2.3 mg/l  
Exposure: Intermittent release  
Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 0.456 mg/kg dw  
Exposure: Soil  
Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 0.527 mg/kg dw  
Exposure: Marine water sediment  
Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 5.27 mg/kg dw  
Exposure: Freshwater sediment  
Remarks: Registration dossier ECHA

PNEC (benzyl alcohol): 39 mg/l  
Exposure: Sewage Treatment Plant  
Remarks: Registration dossier ECHA

## 8.2. Exposure controls



According to EC-Regulation 2015/830

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

**General recommendations**

Observe general occupational hygiene standards.

**Exposure scenarios**

There is no appendix to this safety data sheet.

**Exposure limits**

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

**Appropriate technical measures**

Ensure emergency eyewash and -showers are clearly marked.

**Hygiene measures**

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

**Measures to avoid environmental exposure**

Keep containment materials near the workplace. If possible, collect spillage during work.

**Individual protection measures, such as personal protective equipment**



**Generally**

Use only CE marked protective equipment.

**Respiratory Equipment**

No specific requirements.

**Skin protection**

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

**Hand protection**

Nitrile rubber

Breakthrough time: > 480 minutes (Class 6)

**Eye protection**

Wear safety glasses with side shields.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Form	Gel
Colour	Red
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	13,5
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	1.1
<b>Phase changes</b>	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
<b>Data on fire and explosion hazards</b>	
Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
<b>Solubility</b>	
Solubility in water	Insoluble
n-octanol/water coefficient	No data available.



According to EC-Regulation 2015/830

**9.2. Other information**

Solubility in fat (g/L)

No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in the section "Handling and storage".

**10.3. Possibility of hazardous reactions**

Nothing special

**10.4. Conditions to avoid**

Nothing special

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Substance: Hydroxypropylmethylcellulosa

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >2000mg/kg

Substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: >5000 mg/kg

Substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >5000mg/kg

Substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 4951 mg/m<sup>3</sup>, 4h

Substance: dimethyl adipate

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: 2000mg/kg

Substance: dimethyl adipate

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 5000mg/kg

Substance: dimethyl adipate

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 11000mg/l

Substance: potassium hydroxide

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 333.0

According to EC-Regulation 2015/830

Substance: dimethyl succinate  
Species: Rat  
Test: LD50  
Route of exposure: Dermal  
Result: 2000mg/kg

Substance: dimethyl succinate  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 5000mg/kg

Substance: dimethyl succinate  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: 11000mg/l

Substance: benzyl alcohol  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: >2000 mg/kg

Substance: benzyl alcohol  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 1620 mg/kg

Substance: benzyl alcohol  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: >4178 mg/l/4h

Substance: 2-(2-butoxyethoxy)ethanol  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: 2764 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol  
Species: Mouse  
Test: LD50  
Route of exposure: Oral  
Result: 2410 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: >2000 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: >29 ppm 2h

**Skin corrosion/irritation**

Causes severe skin burns and eye damage.

Data on substance: 2-(2-butoxyethoxy)ethanol  
Test: OECD Guideline 404  
Organism: Rabbit  
Result: not irritating

**Serious eye damage/irritation**

Causes serious eye damage.

Data on substance: 2-(2-butoxyethoxy)ethanol  
Test: OECD Guideline 404  
Organism: Rabbit  
Result: irritating

According to EC-Regulation 2015/830

**Respiratory or skin sensitisation**

Data on substance: 2-(2-butoxyethoxy)ethanol  
 Test: OECD Guideline 406  
 Organism: Guinea pig  
 Result: Negative

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

No data available.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Long term effects**

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Species: Daphnia

Test: EC50

Duration: 48h

Result: >1000mg/l

Substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Species: Fish

Test: LC50

Duration: 96h

Result: >1000mg/l

Substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Species: Algae

Test: EC50

Duration: 72h

Result: >1000mg/l

Substance: dimethyl adipate

Species: Daphnia

Test: EC50

Duration: 48h

Result: 112-150mg/l

Substance: dimethyl adipate

Species: Fish

Test: LC50

Duration: 96h

Result: 18-24mg/l

Substance: dimethyl adipate

Species: Algae

Test: EC50

Duration: 72h

Result: >85mg/l

Substance: potassium hydroxide

Species: Daphnia

Test: EC50

Duration: 48h

Result: 40-240mg/l

Substance: potassium hydroxide

Species: Fish

Test: LC50

Duration: 96h

Result: 80mg/l

According to EC-Regulation 2015/830

Substance: dimethyl succinate  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: 112-150mg/l

Substance: dimethyl succinate  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: 12-24mg/l

Substance: dimethyl succinate  
Species: Algae  
Test: EC50  
Duration: 72h  
Result: >85mg/l

Substance: benzyl alcohol  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: 230 mg/l

Substance: benzyl alcohol  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: 460 mg/l

Substance: benzyl alcohol  
Species: Algae  
Test: IC100  
Duration: 72h  
Result: 770 mg/l

Substance: 2-(2-butoxyethoxy)ethanol  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: >100 mg/l

Substance: 2-(2-butoxyethoxy)ethanol  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: >100 mg/l

Substance: 2-(2-butoxyethoxy)ethanol  
Species: Algae  
Test: EC50  
Duration: 96h  
Result: >100 mg/l

### 12.2. Persistence and degradability

#### Substance

Hydrocarbons, C10-C13, n-alkan...  
dimethyl adipate  
dimethyl succinate  
benzyl alcohol  
dimethyl glutarate  
2-(2-butoxyethoxy)ethanol

#### Biodegradability

Yes  
Yes  
Yes  
Yes  
Yes  
Yes

#### Test

CO2 Evolution Test  
No data available  
No data available  
Closed Bottle Test  
No data available  
Modified OECD  
Screening Test

#### Result

80  
No data available  
No data available  
>90%  
No data available  
100%

### 12.3. Bioaccumulative potential

#### Substance

benzyl alcohol  
2-(2-butoxyethoxy)ethanol

#### Potential bioaccumulation

No  
No

#### LogPow

1.1  
1

#### BCF

No data available  
No data available

### 12.4. Mobility in soil

benzyl alcohol: Log Koc= 0.94949, Calculated from LogPow (High mobility potential.).  
2-(2-butoxyethoxy)ethanol: Log Koc= 0.8703, Calculated from LogPow (High mobility potential.).

According to EC-Regulation 2015/830

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Other adverse effects

Nothing special

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### Waste

EWC code

-

#### Specific labelling

Not applicable

#### Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

## SECTION 14: Transport information

### 14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

#### ADR/RID

14.1. UN number	1760
14.2. UN proper shipping name	CORROSIVE LIQUID, N.O.S.
14.3. Transport hazard class(es)	8
14.4. Packing group	III
Notes	-
Tunnel restriction code	-

#### IMDG

UN-no.	1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Class	8
PG*	III
EmS	F-A,S-B
MP**	-
Hazardous constituent	-

#### IATA/ICAO

UN-no.	1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Class	8
PG*	III

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

-

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

No data available

(\*) Packing group

(\*\*) Marine pollutant

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

#### Demands for specific education

-

#### Additional information

Not applicable

#### Seveso

-

#### Biocidal reg. no.

According to EC-Regulation 2015/830

Not applicable

#### Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.  
The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H290 - May be corrosive to metals.

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H314 - Causes severe skin burns and eye damage.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

#### The full text of identified uses as mentioned in section 1

-

#### Additional label elements

Not applicable

#### Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

#### The safety data sheet is validated by

David Löwenstein

#### Date of last essential change (First cipher in SDS version)

-

#### Date of last minor change (Last cipher in SDS version)

-