



BE SURE. BUILD SURE.

Page 1/11

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** Donnitil Oil Ex
- **Recommended use of the chemical and restrictions on use** No further relevant information available.
- **Application of the substance / the mixture** Oil stain remover
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8
D-46238 Bottrop
Tel.: +49(0)2041-101-0
Fax.: +49(0)2041-101-400
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG
Hagackerstr. 10
CH-8953 Dietikon
Tel.: +44-7400510
Fax : +44-7400533
- **Informing department:** msds@mc-bauchemie.de

2 Hazard identification

- **Classification of the substance or mixture**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Acute Tox. 4 H312 Harmful if in contact with skin.
Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
STOT SE 3 H335 May cause respiratory irritation.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Haz. H304 May be fatal if swallowed and enters airways.

- **Label elements**

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



GHS02 GHS05 GHS07 GHS08

- **Signal word**

Danger

- **Hazard-determining components of labelling:**

Reaction mass of ethylbenzene and xylene

(Contd. on page 2)

MY



BE SURE. BUILD SURE.

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name Donnitil Oil Ex

(Contd. of page 1)

- Isotridecanol, ethoxylated (5-6 EO)*
Oxirane, 2-ethyl-, polymer with oxirane, mono-C11-15-sec-alkyl ethers
- **Hazard statements**
 - H226 *Flammable liquid and vapour.*
 - H312+H332 *Harmful if in contact with skin or inhaled.*
 - H315 *Causes skin irritation.*
 - H318 *Causes serious eye damage.*
 - H335 *May cause respiratory irritation.*
 - H373 *May cause damage to organs through prolonged or repeated exposure.*
 - **Precautionary statements**
 - H304 *May be fatal if swallowed and enters airways.*
 - P260 *Do not breathe dust/fume/gas/mist/ vapours/ spray.*
 - P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*
 - P321 *Specific treatment (see on this label).*
 - P331 *Do NOT induce vomiting.*
 - P303+P361+P353 *IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.*
 - 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.*
 - **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** *Not applicable.*
 - **vPvB:** *Not applicable.*

3 Composition and information of the ingredients of the hazardous chemical

- **Chemical characterisation: Mixtures**
- **Description:** *Mixture consisting of the following components.*

· **Dangerous components:**

	<i>Reaction mass of ethylbenzene and xylene</i> <i>Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Haz., H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335</i>	<i>80-100%</i>
<i>CAS: 108-65-6</i>	<i>2-Methoxy-1-methyl ethyl acetate</i> <i>Flam. Liq. 3, H226; STOT SE 3, H336</i>	<i><10%</i>
<i>CAS: 9043-30-5</i>	<i>Isotridecanol, ethoxylated (5-6 EO)</i> <i>Eye Dam. 1, H318; Aquatic Chronic 3, H412</i>	<i>≥3-<5%</i>
<i>CAS: 1022990-65-3</i>	<i>Oxirane, 2-ethyl-, polymer with oxirane, mono-C11-15-sec-alkyl ethers</i> <i>Acute Tox. 4, H302; Eye Irrit. 2, H319; Aquatic Chronic 3, H412</i>	<i>≥2.5-<5%</i>

(Contd. on page 3)



BE SURE. BUILD SURE.

Page 3/11

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name **Donnitil Oil Ex**

· **Additional information**

For the wording of the listed hazard phrases refer to section 16.

(Contd. of page 2)

4 First-aid measures

· **Description of first aid measures**

- **General information** For all first aid measures: observe self-protection and consult a doctor!
- **After inhalation** Take the person out into the fresh air.
- **After skin contact** Remove contaminated clothing immediately.
Hold affected areas under cold running water for at least 15 minutes.
- **After eye contact** Rinse for 10 minutes under running water with the eyelids open or use eye rinsing solution. Always consult an ophthalmologist!
- **After swallowing** Drink plenty of water in small sips.
Do not induce vomiting.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents** Water.
Water with a full water jet.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Inform respective authorities in case product reaches water or sewage system.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

MY

(Contd. on page 4)



BE SURE. BUILD SURE.

Page 4/11

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name **Donnitil Oil Ex**

(Contd. of page 3)

7 Handling and storage

- **Handling**
- **Precautions for safe handling** *Avoid splashing.
Avoid dust development with powder products.
Limit the storage quantity at the workplace to one shift requirement.
Do not leave containers open.
Provide washing facilities in the work area.
Provide an eye shower or eyewash bottle.*
- **Information about protection against explosions and fires:** *Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** *Avoid splashing.
Avoid dust development with powder products.
Limit the storage quantity at the workplace to one shift requirement.
Do not leave containers open.
Provide washing facilities in the work area.
Provide an eye shower or eyewash bottle.*
- **Information about storage in one common storage facility:** *Combined storage bans apply from a total storage quantity of 200 kg.
Do not store together with substances of the following LGK: 1; 5.1A; 5.2; 6.2; 7
Storage with substances of the following LGK is only possible under the conditions specified in TRGS 510: 4.1A; 4.2; 4.3; 5.1C*
- **Further information about storage conditions:** *Keep container tightly closed in a well-ventilated place.*
- **Storage class** *3*

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** *No further data; see section 7.*
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:** *The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

(Contd. on page 5)

MY



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name Donnitil Oil Ex

(Contd. of page 4)

· DNELs

Reaction mass of ethylbenzene and xylene

Oral	DNEL	1.6 mg/kg bw/Tag (ArL) mg/kg bw/Tag (Workers)
Dermal	DNEL	180 mg/kg bw/day (ArL)
Inhalative	DNEL	211 mg/m ³ (ArL)

CAS: 108-65-6 2-Methoxy-1-methyl ethyl acetate

Dermal	DNEL	153.5 mg/kg bw/day (ArL)
Inhalative	DNEL	275 mg/m ³ (ArL)

· PNECs

CAS: 108-65-6 2-Methoxy-1-methyl ethyl acetate

PNEC	0.635 mg/l (Fresh water) 100 mg/l (Kla) 0.0635 mg/l (Mew)
PNEC	0.29 mg/kg dwt (Bod) 0.329 mg/kg dwt (Marine water sediment) 3.29 mg/kg dwt (Fresh water sediment)

· Additional Occupational Exposure Limit Values for possible hazards during processing:

CAS: 1330-20-7 xylene

PEL (Malaysia) Long-term value: 434 mg/m³, 199 ppm

CAS: 100-41-4 ethyl benzene

PEL (Malaysia) Long-term value: 434 mg/m³, 100 ppm

· Additional information: The lists that were valid during the compilation were used as basis.

· Exposure controls

· Personal protective equipment

· General protective and hygienic measures

Do not store any foodstuffs or eat, drink, snuff or smoke in the work area!

Avoid contact with eyes, skin and clothing!

Clean hands thoroughly after work and before cleaning!

Use skin care products after work (moisturising cream).

Change wet/uncleaned clothing immediately, place in water and only use again after cleaning!

· Breathing equipment:

If the limit value is exceeded:

Combination filter A-P2 (brown/white).

· Protection of hands:

Gloves made of: Natural latex, polychloroprene, nitrile rubber.

(Category 3 chemical protective gloves, recognisable by the CE mark with four-digit test number).

When wearing protective gloves, cotton undergloves are recommended.

· Material of gloves

see "Hand protection"

· Penetration time of glove material

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

(Contd. on page 6)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name **Donnitil Oil Ex**

(Contd. of page 5)

- **Eye protection:** Gauze goggles
- **Body protection:** Alkali-resistant protective clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Fluid
- **Colour:** Colourless
- **Smell:** Characteristic

- **pH-value:** Not applicable.
Not determined.

· **Change in condition**

- **Melting point/freezing point** Not determined
- **Initial boiling point and boiling range** 137 °C

- **Flash point:** 25 °C

- **Auto-ignition temperature** 500 °C

- **Ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Critical values for explosion:**

- **Lower:** 1.1 Vol %
- **Upper:** 7 Vol %

- **Steam pressure at 20 °C:** 5 hPa

- **Density at 20 °C** 0.89 g/cm³

· **Solubility in / Miscibility with**

- **Water:** Not miscible or difficult to mix

· **Viscosity:**

- **dynamic:** Not determined.
- **kinematic:** Not determined.

- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.

· **Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Possibility of hazardous reactions** No dangerous reactions known

(Contd. on page 7)



BE SURE. BUILD SURE.

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name Donnitil Oil Ex

(Contd. of page 6)

- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values that are relevant for classification:**

Reaction mass of ethylbenzene and xylene

Oral	LD50	3523-4000 mg/kg (rat)
Dermal	LD50	1100 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (rat)

CAS: 108-65-6 2-Methoxy-1-methyl ethyl acetate

Oral	LD50	8500 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

CAS: 9043-30-5 Isotridecanol, ethoxylated (5-6 EO)

Oral	LD50	>2000 mg/kg (rat)
	NOAEL	>50 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

CAS: 1022990-65-3 Oxirane, 2-ethyl-, polymer with oxirane, mono-C11-15-sec-alkyl ethers

Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion or irritation** Irritant for skin and mucous membranes.
- **Serious eye damage or eye irritation** Irritant effect.
- **Respiratory / skin sensitization** No sensitizing effect known.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant

MY

(Contd. on page 8)



BE SURE. BUILD SURE.

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name Donnitil Oil Ex

(Contd. of page 7)

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

Reaction mass of ethylbenzene and xylene

EC50/72h	2.2 mg/l (Selenastrum capricornutum)
LC50/96h	2.6 mg/l (Oncorhynchus mykiss)
NOEC	16 mg/l (BEL)

CAS: 108-65-6 2-Methoxy-1-methyl ethyl acetate

LC50/96h	134 mg/l (Oncorhynchus mykiss) 161 mg/l (Pimephales promelas)
EC50	>1000 mg/l (BEL)
EC50/48h	>500 mg/l (Daphnia magna)
NOEC	47.5 mg/l (Ory)
EC50/3d	>1000 mg/l (Selenastrum capricornutum)

CAS: 9043-30-5 Isotridecanol, ethoxylated (5-6 EO)

EC50/72h	1-10 mg/l (Desmodesmus subspicatus)
LC50/96h	1-10 mg/l (Cyp)
EC50/48h	1-10 mg/l (Daphnia magna)
NOEC	1.36 mg/l (Daphnia magna) 1.73 mg/l (fish)
EC10/3d	0.6 mg/l (algae)

CAS: 1022990-65-3 Oxirane, 2-ethyl-, polymer with oxirane, mono-C11-15-sec-alkyl ethers

EC50/48h	4.22 mg/l (Daphnia magna)
ErC50/72h	1.25 mg/l (Desmodesmus subspicatus)

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:** Harmful to aquatic organisms
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

MY

(Contd. on page 9)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name **Donnitil Oil Ex**

(Contd. of page 8)

13 Disposal information

- **Waste treatment methods**
- **Recommendation** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

14 Transportation information

· UN-Number · ADR, IMDG, IATA	UN1263
· UN proper shipping name · ADR, IMDG, IATA	PAINT RELATED MATERIAL
· Transport hazard class(es)	
· ADR · Class · Label	3 (F1) Flammable liquids. 3
· IMDG, IATA · Class · Label	3 Flammable liquids. 3
· Packing group · ADR, IMDG, IATA	III
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user · Kemler Number: · EMS Number: · Stowage Category	Warning: Flammable liquids. 30 F-E, S-E A
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category · Tunnel restriction code	3 D/E

(Contd. on page 10)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name *Donnitil Oil Ex*

(Contd. of page 9)

· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT RELATED MATERIAL, 3, III

15 Regulatory information

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

· **EHS reference list**

CAS: 108-65-6 | 2-Methoxy-1-methyl ethyl acetate

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I**

None of the ingredients is listed.

· **Seveso category**

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements**

5000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements**

50000 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing data specification sheet:**

Environment protection department.

· **Contact:**

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

(Contd. on page 11)



BE SURE. BUILD SURE.

Page 11/11

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 14.04.2025

Version number 44

Revision: 14.04.2025

Trade name Donnitil Oil Ex

(Contd. of page 10)

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Irrit. 2: Skin corrosion or irritation – Category 2

Eye Dam. 1: Serious eye damage or eye irritation – Category 1

Eye Irrit. 2: Serious eye damage or eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Haz.: Aspiration hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - chronic hazard – Category 3

*** Data compared to the
previous version altered.**

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