



BE SURE. BUILD SURE.

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

Printing date 10.12.2024

Version number 25


Revision: 10.12.2024

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** Donnitil Concretex 101
- **Recommended use of the chemical and restrictions on use** No further relevant information available.
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **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**
Skin Corr. 1 H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS05
- **Signal word** Danger
- **Hazard-determining components of labelling:** phosphoric acid
- **Hazard statements** H314 Causes severe skin burns and eye damage.
- **Precautionary statements** P260 Do not breathe dusts or mists.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see on this label).

- **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

- **Identification number(s):** void
- **Chemical characterisation:** Mixtures
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 7664-38-2	phosphoric acid Skin Corr. 1, H314; Acute Tox. 4, H302	30-60%
CAS: 68439-57-6	Sulphonic acids, C14-16 alkane hydroxy and C14-16 alkene, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315	<1.5%

4 First-aid measures

- **Description of first aid measures**
- **General information** Immediately remove any clothing contaminated with the product.
- **After inhalation** In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing** Drink copious amounts of water and provide fresh air. Instantly call for doctor.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** *Wear protective equipment. Keep unprotected persons away.*
- **Environmental precautions:** *No special measures required.*
- **Methods and material for containment and cleaning up:** *Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.*
- **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.*

7 Handling and storage

- **Handling**
- **Precautions for safe handling** *Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.*
- **Information about protection against explosions and fires:** *No special measures required.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Keep container tightly sealed.*
- **Storage class** *8B*

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:**

CAS: 7664-38-2 phosphoric acid

PEL (Malaysia) Long-term value: 1 mg/m³

· **DNELs**

CAS: 68439-57-6 Sulphonic acids, C14-16 alkane hydroxy and C14-16 alkene, sodium salts

Oral DNEL 12.95 mg/kg bw/Tag (ArL)

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Dermal	DNEL	2158.33 mg/kg bw/day (ArL)
Inhalative	DNEL	152.22 mg/m ³ (ArL)

- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
 - Keep away from foodstuffs, beverages and food.*
 - Instantly remove any soiled and impregnated garments.*
 - Wash hands during breaks and at the end of the work.*
 - Avoid contact with the eyes and skin.*
- **Breathing equipment:** *In case of brief exposure or low pollution or when application is performed at confined area with adequate mechanical ventilation meeting local authority requirements, use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.*
- **Protection of hands:** *Protective gloves.*
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*
 - After use of gloves apply skin-cleaning agents and skin cosmetics.*
- **Material of gloves** *The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*
- **Penetration time of glove material** *The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.*
- **Eye protection:** *Not required.*
- **Body protection:** *Protective work clothing.*

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** *Fluid*
 - Colour:** *Light yellow*
 - Smell:** *Odourless*
- **pH-value:** *Not determined.*
- **Change in condition**
 - Melting point/freezing point** *42.4 °C*
 - Initial boiling point and boiling range** *100 °C*
- **Flash point:** *Not applicable*

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· Explosive properties:	Product is not explosive.
· Steam pressure at 20 °C:	23 hPa
· Density at 20 °C	1.36 g/cm ³
· 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
· 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:**

CAS: 7664-38-2 phosphoric acid

Oral	LD50	1530 mg/kg (rat)
Dermal	LD50	2740 mg/kg (rabbit)

CAS: 68439-57-6 Sulphonic acids, C14-16 alkane hydroxy and C14-16 alkene, sodium salts

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	6300 mg/kg (rabbit)
Inhalative	LC50/4 h	52 mg/l (rat)

· Primary irritant effect:	
· Skin corrosion or irritation	Caustic effect on skin and mucous membranes.
· Serious eye damage or eye irritation	Strong caustic effect.
· Respiratory / skin sensitization	No sensitizing effect known.

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Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

Toxicity

Aquatic toxicity:

CAS: 7664-38-2 phosphoric acid

LC50/96h 138 mg/l (Gaa)

EC50 270 mg/l (BEL)

LC0/48h 100-1000 mg/l (fish)

CAS: 68439-57-6 Sulphonic acids, C14-16 alkane hydroxy and C14-16 alkene, sodium salts

IC50/72h 230 mg/l (BEL)

LC50/96h 4.2 mg/l (Danio rerio)

1-10 mg/l (Brachydanio rerio)

EC50/48h 4.5 mg/l (Ceriodaphnia dubia)

NOEC 3.2 mg/l (Ske)

6.7 mg/l (Daphnia magna)

ErC50/72h 5.2 mg/l (Ske)

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.

Additional ecological information:

General notes: Must not reach sewage water or drainage ditch undiluted or unneutralised.

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.

13 Disposal information

Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

14 Transportation information

· UN-Number · ADR, IMDG, IATA	UN1805
· UN proper shipping name · ADR, IMDG, IATA	PHOSPHORIC ACID, SOLUTION
· Transport hazard class(es) · ADR · Class · Label	8 (C1) Corrosive substances. 8
· IMDG, IATA · Class · Label	8 Corrosive substances. 8
· Packing group · ADR, IMDG, IATA	III
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user · Kemler Number: · EMS Number: · Segregation groups · Stowage Category · Segregation Code	Warning: Corrosive substances. 80 F-A, S-B (SGG1) Acids A SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
· 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 E
· IMDG · Limited quantities (LQ)	5L

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· 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 1805 PHOSPHORIC ACID, SOLUTION, 8, III

15 Regulatory information

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

· **EHS reference list**

CAS: 7664-38-2 phosphoric acid

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Corr. 1: Skin corrosion or irritation – Category 1
Skin Irrit. 2: Skin corrosion or irritation – Category 2
Eye Dam. 1: Serious eye damage or eye irritation – Category 1

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