

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2015

Revision: 01.12.2015

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

· **1.1 Product identifier**

· Trade name: **ROMPOX Powerclean**

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

No further relevant information available.

· **Application of the substance / the mixture** Cleaning material/ Detergent

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

ROMEX Produktions GmbH

Mühlgrabenstraße 19

D-53340 Meckenheim

Tel.: 0049 (0)2225-7032820

Fax: 0049 (0)2225-7032828

email: info@romex-rpg.de

· **Informing department:** Product safety department.

· **1.4 Emergency telephone number:**

Giftnotrufzentrale BONN

Tel.: 0049(0)228-19240

gizbn@mailen.meb.uni-bonn.de

www.meb.uni-bonn.de/giftzentrale/

National Poisons Information Service (Birmingham Unit)

Dudley Rd, Birmingham

Tel.: 844 892 0111

Mail: mail@npis.org

National Poisons Information Service (Birmingham Unit)

+44 121 507 4123

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Eye Dam. 1 H318 Causes serious eye damage.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS05

· **Signal word** Danger

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

Ameisensäure

· **Hazard statements**

H318 Causes serious eye damage.

· **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

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Trade name: **ROMPOX Powerclean**· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients· **3.2 Chemical characterisation: Mixtures**· **Description:** Mixture of the substances listed below with harmless additions.· **Dangerous components:**

CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-xxxx	Benzyl alcohol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	25-50%
CAS: 64-18-6 Index number: 607-001-01-8 Reg.nr.: 01-2119491174-37-xxxx	Ameisensäure ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315	2,5-10%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44-xxxx	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	2,5-10%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures**· **4.1 Description of first aid measures**· **General information** Instantly remove any clothing soiled by the product.· **After inhalation** Supply fresh air; consult doctor in case of symptoms.· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.· **After swallowing**

Rinse the mouth with water immediately

Instantly call for doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.· **Information for doctor** No particular measures are known - treat according to symptoms.· **Danger**

Danger of pulmonary oedema.

Danger of gastric perforation.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Monitor circulation

If swallowed, gastric irrigation with added, activated carbon.

SECTION 5: Firefighting measures· **5.1 Extinguishing media**· **Suitable extinguishing agents**CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.· **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

The vapours released are irritating and injurious to health.

· **5.3 Advice for firefighters**· **Protective equipment:** Wear self-contained breathing apparatus.

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- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with eyes and skin.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Do not allow to enter the ground/soil.
- **6.3 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.
- **6.4 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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in unopened original containers.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**
Store container in a well ventilated position.
Keep container tightly sealed.
Protect from heat and direct sunlight.
- **Storage class 10**
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol (2.5-10%)

WEL (Great Britain)	Short-term value: 101.2 mg/m ³ , 15 ppm
	Long-term value: 67.5 mg/m ³ , 10 ppm

IOELV (European Union)	Short-term value: 101.2 mg/m ³ , 15 ppm
	Long-term value: 67,5 mg/m ³ , 10 ppm

- **DNELs**

CAS: 100-51-6 Benzyl alcohol

Oral	DNEL Langzeit Verbraucher / Long-term consumer	5 mg/kg/bw/d (-)
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Dermal	DNEL - Arbeiter / worker	9.5 mg/kg/bw/d (-) ((langfristig))
	DNEL Langzeit Verbraucher / Long-term consumer	5.7 mg/kg/bw/d (-)
Inhalative	DNEL Langzeit Verbraucher / Long-term consumer	5.7 mg/m ³ (-)
	DNEL - Arbeiter / worker	90 mg/m ³ (-) ((langfristig))

· PNECs

CAS: 100-51-6 Benzyl alcohol

PNEC Langzeit Wasser / Long-term water	1 mg/l (Frischwasser (freshwater))
	0.1 mg/l (Meerwasser (seawater))

· **Additional information:** The lists that were valid during the compilation were used as basis.· **8.2 Exposure controls**· **Personal protective equipment**· **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Wear a respirator if an aerosol or mist forms.· **Recommended filter device for short term use:**

Filter A

· **Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Breakthrough time: > 480 min

Recommended thickness of the material: ≥ 0.8 mm

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 break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **As protection from splashes gloves made of the following materials are suitable:** PVC gloves· **Not suitable are gloves made of the following materials:**

Leather gloves

Strong gloves

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· **Eye protection:**

Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· Form:	Fluid
· Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.

· **pH-value:** Not determined.· **Change in condition**

· Melting point/Melting range:	Not determined
· Boiling point/Boiling range:	> 100 °C

· **Flash point:** > 100 °C· **Inflammability (solid, gaseous)** Not applicable.· **Ignition temperature:**· **Decomposition temperature:** Not determined.· **Self-inflammability:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive.· **Critical values for explosion:**

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapour pressure:** Not determined.

· Density at 20 °C	1,1 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

· **Solubility in / Miscibility with Water:** Partly miscible· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**

· dynamic:	Not determined.
· kinematic at 20 °C:	< 10 mm ² /s

· **9.2 Other information** please refer to our technical specification

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.· **10.2 Chemical stability**· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **10.3 Possibility of hazardous reactions**
Reacts with acids
Exothermic reaction with acids
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** strong acids
- **10.6 Hazardous decomposition products:** none, if stored and handled correctly.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:****CAS: 100-51-6 Benzyl alcohol**

Oral	LD50	1040 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt) (RTECS)
Inhalative	LD50	> 4178 mg/l (rat) (LC50 (4h))

CAS: 64-18-6 Ameisensäure

Oral	LD50	730 mg/kg (rat)
Inhalative	LC50/4 h	7.4 mg/l (rat)

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

Dermal	LD50	4000 mg/kg (rbt)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:** Irritating to respiratory system.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** 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** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****CAS: 100-51-6 Benzyl alcohol**

BSB5-Wert	1.55 g/g (-)
BSB-5	1550 mg O2/g (-)
closed bottle test	90 % (-)
Bakterientoxizität / Bacteria toxicity	71.4 mg/l (<i>Photobacterium phosphoreum</i>) (EC50 (30 min); IUCLID) > 658 mg/l (<i>Pseudomonas putida</i>) (EC50 (16h))
Algentoxizität / Algae toxicity	79 mg/l (<i>Scenedesmus quadricauda</i>) (EC50 (3h)) 770 mg/l (Alge) (ErC50 (72h)) 640 mg/l (<i>Scenedesmus subspicatus</i>) (EC50 (96h))
Daphnientoxizität / Daphnia toxicity	400 mg/l (daphnia) (EC50 (24h); IUCLID) 230 mg/l (<i>Daphnia magna</i>) (EC50 (48h))

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Fischtoxizität / Fish toxicity	460 mg/l (<i>Pimephales promelas</i>) (LC50 (96h)) 645 mg/l (<i>Goldorfe (Leuciscus idus)</i>) (LC50 (96h))
CAS: 64-18-6 Ameisensäure	
Algentoxizität / Algae toxicity	72 mg/l (Alge) (EC50 (72h))
Daphnientoxizität / Daphnia toxicity	32 mg/l (<i>Daphnia magna</i>) (EC50 (48h))
Fischtoxizität / Fish toxicity	46 - 100 mg/l (<i>Leuciscus idus</i>) (LC50 (96h))

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:** Not determined
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** For disposal, local regulations issued by the authorities must be observed.

· European waste catalogue	
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 29*	detergents containing hazardous substances
HP 10	Toxic for reproduction

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

SECTION 14: Transport information

· 14.1 UN-Number	
· ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
	Not applicable.

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|----------------------------------------------------------------------------------|-------------------------------------------------------------|
| · 14.6 Special precautions for user | <i>Not applicable.</i> |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | <i>Not applicable.</i> |
| · Transport/Additional information: | <i>Not dangerous according to the above specifications.</i> |
| · UN "Model Regulation": | <i>Void</i> |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- **National regulations**
- **Water hazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 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.

- **Relevant phrases**
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
- **Department issuing data specification sheet:**
IGG-AD Ingenieurbüro für Gefahrstoff- und Gefahrgutberatung
Bismarckstraße 10
D-68623 Lampertheim
Fax: 0049-(0)6206-58422 <http://www.igg-ad.de> info@igg-ad.de
- **Contact:** Dr. U. Prinz (u.prinz@igg-ad.de)
- **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 européen sur le transport 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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- *** Data compared to the previous version altered.**