

Material Safety Data Sheet according to Regulation (EC) 1907/2006

Product name : POLYWASH 1000*
Revision : 27.01.2010
Print date : 25-03-2010

Version : 12.0.1

01. Identification of the substance/preparation and of the company/undertaking

Product name

POLYWASH 1000*

Use of the substance / preparation

CLEANING AGENT

Manufacturer/Supplier

Kluthe Benelux B.V.

Street/P.O.Box

Produktieweg 8

Country code/Postal code/Town/City

NL - 2404 CC ALPHEN AAN DEN RIJN

Telephone / Telefax

+31 (0)172 - 516000 / +31 (0)172 - 439494

Emergency information

+31 (0)172-516000 Telephone calls will only be answered during working days: Monday until Friday from 08:30 - 17:00 hours.

02. Hazards identification

Hazard designation

Irritating to eyes.

Classification : Xi ; R 36

03. Composition/information on ingredients

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EC:

Hazardous components

2-BUTOXYETHANOL ; EC-No. : 203-905-0; CAS-No. : 111-76-2

Percentage : 10 - 25 %

Classification : Xn ; R 20/21/22 Xi ; R 36/38

2-PHENOXYETHANOL ; EC-No. : 204-589-7; CAS-No. : 122-99-6

Percentage : 2,5 - 10 %

Classification : Xn ; R 22 Xi ; R 36

QUATERNARY AMMONIUM COMPOUNDS, COCOSALKYL PENTA-ETHOXY METHYL AMMONIUM METHOSULPHATES ;
CAS-No. : 68989-03-7

Percentage : < 2,5 %

Classification : N ; R 51/53 Xi ; R 36/38

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

04. First-aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. For further information refer to chapter 11 (Toxicological information).

After inhalation

Move the casualty into fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

After skin contact

Immediately remove all contaminated clothing. Wash with soap and water and rinse. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, keep eyelids open. Rinse with plenty of water (10 - 15 min.). Call a physician.

After ingestion

If swallowed obtain immediate medical attention. Do not induce vomiting. Rinse mouth with water. Keep patient at rest.

05. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media

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Water jet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Inhalation of burning gases can cause damage to health.

Special protective equipment

Appropriate breathing equipment may be required.

Additional information

Cool endangered containers with water in case of fire.

06. Accidental release measures

Personal precautions

Keep away from ignition sources on account of the organic solvent content and ventilate room. Do not inhale vapours. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains or water courses. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

07. Handling and storage

Information for safe handling

Avoid contact with skin and eyes. Do not breathe vapour or spray. Do not smoke, eat or drink in places where this product is used. For personal protection see section 8. Comply with the health and safety at work laws.

Information about protection against explosions and fires

Adapt provisions to the environment. Vapours are heavier than air and may spread along floors.

Requirements to be met by storerooms and containers

Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products

Keep away from oxidizing agents, and from strong alkaline and strong acid materials.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Store between 5 and 40 °C in a dry, well-ventilated area, away from sources of heat and direct sunlight. Avoid contact with sources of ignition.

Storage class (VCI) : 10

08. Exposure controls/personal protection

Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Components with critical values that require monitoring at the workplace (exposure limits)

2-BUTOXYETHANOL ; CAS-No. : 111-76-2

Specification :	Maximum limit in the atmosphere at the workplace (D)
Value :	20 ppm / 98 mg/m ³
Category :	4(II)
Remarks :	H,Y
Version date :	01-06-2008
Specification :	TRGS 903 - biological maximum limits (D)
Parameter :	Butoxy acetic acid / urine / in cases of long term exposure after several shifts
Value :	100 mg/l
Version date :	31-03-2004
Specification :	Limit value (Short term) (EC)
Value :	50 ppm / 246 mg/m ³
Remarks :	H
Version date :	08-06-2000

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Specification : Limit value (8 hours) (EC)
Value : 20 ppm / 98 mg/m³
Remarks : H
Version date : 08-06-2000

2-PHENOXYETHANOL ; CAS-No. : 122-99-6

Specification : Maximum limit in the atmosphere at the workplace (D)
Value : 20 ppm / 110 mg/m³
Category : 2(I)
Remarks : H, Y
Version date : 01-06-2008

2,2'-(ETHYLENEDIOXY)DIETHANOL ; CAS-No. : 112-27-6

Specification : Maximum limit in the atmosphere at the workplace (D)
Parameter : measured as the inhaleable fraction
Value : 1000 mg/m³
Category : 2(II)
Remarks : Y
Version date : 01-06-2008

Personal protective equipment

Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn. Respiratory equipment: Filter A, brown.

Hand protection

Use protective gloves of: neoprene or nitrile. Barrier creams may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred.

Eye protection

Use safety glasses.

Body protection

All parts of the body should be washed after contact with the product.

09. Physical and chemical properties

Relevant safety data

Physical state :		Liquid
Colour:		Colourless
Odour:		Characteristic
FROST FREE STORAGE		Yes
Boiling point / range :	(1013 hPa)	100 °C
Flash point :	>	90 °C
Density :	(20 °C)	1,003 - 1,008 g/cm ³
Solubility in water :	(20 °C)	Miscible
pH value :	(20 °C)	10,2 - 10,9
Subject to detergent directive yes/no cationic surfactants		yes 0,1 %

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidizing agents, strong alkaline and strong acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

There are no data available on the preparation itself. The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (88/379/EC). Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may cause removal of natural

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fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. If the liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Do not empty into water courses or drains. No environmental risks of preparations are available. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 2.

13. Disposal considerations

In accordance with local official regulations treat in a watertreatment or discharge to a waste disposal company.

14. Transport information

Land transport ADR/RID

Classification

Class : -

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : -

Air transport ICAO-TI and IATA-DGR

Classification

Class : -

Packaging

15. Regulatory information

Classification according to EC directives

Danger symbol and danger designation



Xi ; Irritant

R-phrases

36 Irritating to eyes.

S-phrases

35 This material and its container must be disposed of in a safe way.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
25 Avoid contact with eyes.

Inhaltsstoffe nach Detergenzien Verordnung (EG) Nr. 648/2004

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National regulatory information

Regulation on inflammable liquids (VbF)

VbF-Class : Not dangerous according to VbF

Emission control act ("TA-Luft")

Sum organic substances class I : < 5 %

Water pollution classification

Class : 1 according VwVwS

International regulatory information

This product contains max.: 171 g/l VOC

16. Other information

The details in this material safety data sheet satisfy national and EU legislation. We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions.

Further information

Relevant changes

07. Information about separation of incompatible products · 08. References to the thresholds

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R-Phrases of components

20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
22	Harmful if swallowed.
36	Irritating to eyes.
36/38	Irritating to eyes and skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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