

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : POLYWASH 4000  
Revision date : 29.01.2014 Version (Revision) : 101.0.1 (101.0.0)  
Print date : 19-01-2015

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

#### 1.1 Product identifier

POLYWASH 4000

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

##### Relevant identified uses

##### Product Categories [PC]

PC9 - Coatings and paints, fillers, putties, thinners

PC35 - Washing and cleaning products (including solvent based products)

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

##### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Kluthe Benelux B.V.

**Street :** Produktieweg 8

**Postal code/city :** NL 2404 CC ALPHEN AAN DEN RIJN

**Telephone :** +31 (0)172 - 516000

**Telefax :** +31 (0)172 - 439494

**E-mail (competent person) :** sds@kluthe.nl

#### 1.4 Emergency telephone number

NL - Nationaal Vergiftigingen Informatie Centrum NVIC - Bilthoven + 31 30 274 88 88 (Uitsluitend bereikbaar voor een behandelend arts in geval van een accidentele vergiftiging) // BE - Antigifcentrum - Brussel + 32 70 245 245 (een arts beantwoordt uw oproep) // BE - Centre Anti-poison - Bruxelles + 32 70 245 245 (un médecin répondra à votre appel). // D - Antigifcentrum (Duitsland - Berlin) : +49 30 450 653565 // S - Swedish Poisons Information Center 112 begär Giftinformationscentralen // UK - Ricardo-AEA (UK) : +44 (0)870 190 6777

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Directive 67/548/EEC or 1999/45/EC

None

##### Classification procedure

Calculation method. Harmonised (legal) classification.

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard classes and hazard categories

Flam. Liq. 4

##### Physical hazards

Flammable Liquids : Category 4

##### Health hazards

Skin Corrosion / Irritation : No

Serious eye damage / eye irritation : No

Specific target organ toxicity (single exposure) : No

Specific target organ toxicity (Respiratory tract irritation) : No

Specific target organ toxicity (Narcosis) : No

Aspiration hazard : No

Sensitisation (Respiratory) : No

Sensitisation (Skin) : No

Reproductive toxicity : No

Reproductive toxicity, Effects on or via lactation : No

Specific target organ toxicity (Repeated exposure) : No

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Flam. Liq. 4  
None

### 2.2 Label elements

None

### 2.3 Other hazards

None

## SECTION 3: Composition / information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

(2-METHOXYMETHYLETHOXY)PROPANOL ; REACH registration No. : 01-2119450011-60-xxxx ; EC No. : 252-104-2; CAS No. : 34590-94-8

Weight fraction : 50 - 100 %

Classification : Substance with a common (EC) occupational exposure limit value.

#### Additional information

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### In case of inhalation

Remove casualty to fresh air and keep warm and at rest.

#### In case of skin contact

Change contaminated, saturated clothing. Subsequently wash off with: Water and soap

#### After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

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

No information available.

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

None

## SECTION 5: Firefighting measures

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO<sub>2</sub>) Extinguishing powder Water spray

#### Unsuitable extinguishing media

Full water jet

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

None

### 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

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### 5.4 Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. Provide adequate ventilation. See protective measures under point 7 and 8.

### 6.2 Environmental precautions

No special environmental measures are necessary.

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

Take up mechanically. Wipe up with absorbent material (eg. cloth, fleece). Clean with detergents. Avoid solvent cleaners.

### 6.4 Reference to other sections

See sections 8 & 13

## SECTION 7: Handling and storage



### 7.1 Precautions for safe handling

Wear personal protection equipment (see chapter 8). Working places should be designed to allow cleaning at any time.

#### Protective measures

No special handling advices are necessary.

#### Measures to prevent fire

Usual measures for fire prevention.

#### Measures to prevent aerosol and dust generation

Vapours/aerosols should be exhausted directly at the point of origin.

#### Environmental precautions

Shafts and sewers must be protected from entry of the product.

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

#### Hints on joint storage

Storage class : 10

Storage class (TRGS 510) : 10

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

(2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8

Limit value type (country of origin) : Maximum limit in the atmosphere at the workplace ( D )

Limit value : 50 ppm / 310 mg/m<sup>3</sup>

Peak limitation : 1(I)

Version : 01-09-2012

Limit value type (country of origin) : TWA ( EC )

Limit value : 50 ppm / 308 mg/m<sup>3</sup>

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**Remark :** H  
**Version :** 08-06-2000  
2-METHOXYPROPANOL ; CAS No. : 1589-47-5  
**Limit value type (country of origin) :** Maximum limit in the atmosphere at the workplace ( D )  
**Limit value :** 5 ppm / 19 mg/m<sup>3</sup>  
**Peak limitation :** 8(II)  
**Remark :** H, Z  
**Version :** 01-09-2012

### 8.2 Exposure controls



#### Personal protection equipment

##### Eye/face protection

Eye glasses with side protection

##### Skin protection

###### Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

**Suitable gloves type :** Gloves with long cuffs

**Suitable material :** Butyl caoutchouc (butyl rubber) Butyl caoutchouc (butyl rubber)

**Breakthrough time (maximum wearing time) :** 480 min

**Thickness of the glove material :** 0,5 mm

**Recommended glove articles :** DIN EN 374

**Additional hand protection measures :** Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Remark :** The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

###### Body protection

Lab coat. Overall

**Recommended material :** Natural fibres (e.g. cotton) heat-resistant synthetic fibres

##### Respiratory protection

Usually no personal respirative protection necessary.

###### Remark

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

##### General health and safety measures

Wash hands before breaks and after work. Apply skin care products after work.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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### Safety relevant basis data

Physical state :			Liquid
Colour:			Blue
Odour:			Characteristic
Store frost free			No
Melting point / range :	( 1013 hPa )	<	-30 °C
Boiling point / range :	( 1013 hPa )		180 - 190 °C
Flash point :			75 °C
Ignition temperature :			207 °C
Lower explosion limit :		>	1,1 Vol-%
Upper explosion limit :		<	14 Vol-%
Vapour pressure :	( 20 °C )		0,037 kPa
Density :	( 20 °C )		0,945 - 0,955 g/cm <sup>3</sup>
Solubility in water :	( 20 °C )		Completely miscible

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

None Acid

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

None Oxidising agent.

### 10.6 Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

According to our experience no damage to health has appeared even in case of long lasting contact.

### 11.1 Information on toxicological effects

#### Acute effects

No information available.

### 11.2 Toxicokinetics, metabolism and distribution

No information available.

### 11.3 Other adverse effects

No information available.

### 11.4 Additional information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC). Toxicological data are not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

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### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Further ecological information

None

## SECTION 13: Disposal considerations

Dispose according to legislation.

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

Waste code (91/689/EEC) : 11 01 11\* In accordance with local official regulations treat in a watertreatment or discharge to a waste disposal company.

### 13.2 Additional information

None

## SECTION 14: Transport information

### 14.1 UN number

No dangerous goods in sense of this transport regulation.

### 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

### 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

### 14.4 Packing group

No dangerous goods in sense of this transport regulation.

### 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

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

#### National regulations

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

##### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

#### International regulatory information

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This product contains max.: 955 g/l VOC

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

07. Hints on joint storage - Storage class

### 16.2 Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

### 16.3 Key literature references and sources for data

None

### 16.5 Relevant R-phrases (Number and full text)

None

### 16.6 Training advice

None

### 16.7 Additional information

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. 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.

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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