

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

### 1.1 Product identifier

**Polytec Plus**

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

#### 1.2.1 Relevant uses

Polishing agent

#### 1.2.2 Uses advised against

None known.

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

**Company** Voelkel Industrie Produkte GmbH  
Rudolf-Diesel-Strasse 11  
86551 Aichach / GERMANY  
Phone +49 (0) 8251 9047 5 0  
Fax +49 (0) 8251 9047 5 99  
Homepage [www.vip-gmbh.com](http://www.vip-gmbh.com)  
E-mail [info@vip-gmbh.com](mailto:info@vip-gmbh.com)

#### Address enquiries to

**Technical information** [info@vip-gmbh.com](mailto:info@vip-gmbh.com)

**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

### 1.4 Emergency telephone number

**Advisory body** +49 (0)89-19240 (24h) (English)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

**Hazard pictograms** none

**Signal word** none

**Hazard statements** none

**Precautionary statements** none

**Special labelling** EUH210 Safety data sheet available on request.

### 2.3 Other hazards

**Environmental hazards** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other hazards** Contains no ingredients with endocrine-disrupting properties.  
Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

# Safety Data Sheet REACH(UK) (GB)

## Polytec Plus

Date printed 16.03.2021, Revision 16.03.2021

Version 02. Supersedes version: 01

Page 2 / 11

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
1 - < 5	Propan-2-ol
	CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0, Reg-No.: 01-2119457558-25-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319 - STOT SE 3: H336
0,1 - < 0,25	Dimethyl siloxane, HO-term Rxn methyltrimethoxysilane & aminoethylaminopropyltrimethoxysilane
	CAS: 69430-37-1
	GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319 - Skin Irrit. 2: H315 - Aquatic Chronic 1: H410 - Aquatic Acute 1: H400,
	M-Factor (acute): 1, M-Factor (chronic): 1

#### Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Take off contaminated clothing and wash before reuse.

#### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

#### Skin contact

When in contact with the skin, clean with soap and water.  
Consult a doctor if skin irritation persists.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### Ingestion

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Seek medical advice.

### 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

Treat symptomatically.  
Forward this sheet to your doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

#### Extinguishing media that must not be used

Full water jet.

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

Risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## **SECTION 6: Accidental release measures**

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

Ensure adequate ventilation.  
High risk of slipping due to leakage/spillage of product.

### **6.2 Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (e.g. general-purpose binder).  
Dispose of absorbed material in accordance within the regulations.

### **6.4 Reference to other sections**

See SECTION 8+13

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

The normal safety precautions for handling chemicals must be observed.  
Avoid contact with eyes and skin. Use personal protective equipment.

Wash hands before breaks and after work.  
Use barrier skin cream.  
Take off contaminated clothing and wash before reuse.  
Do not eat, drink or smoke when using this product.

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

Keep only in original container.  
Prevent penetration into the ground.

Keep container tightly closed.  
Keep container in a well-ventilated place.  
Protect from heat/overheating and from sun.

### **7.3 Specific end use(s)**

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

Substance
Propan-2-ol
CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0, Reg-No.: 01-2119457558-25-XXXX
Long-term exposure: 400 ppm, 999 mg/m <sup>3</sup>
Short-term exposure (15-minute): 500 ppm, 1250 mg/m <sup>3</sup>

#### DNEL

Substance
Propan-2-ol, CAS: 67-63-0
Industrial, inhalative, Long-term - systemic effects, 500 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 888 mg/kg
general population, inhalative, Long-term - systemic effects, 89 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 319 mg/kg
general population, oral, Long-term - systemic effects, 26 mg/kg

#### PNEC

Substance
Propan-2-ol, CAS: 67-63-0
sewage treatment plants (STP), 2251 mg/l
freshwater, 140,9 mg/l
sediment (freshwater), 552 mg/kg
sediment (seawater), 552 mg/kg
seawater, 140,9 mg/l
soil, 28 mg/kg

### 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Not required under normal conditions. If there is a risk of splashing: Safety glasses. (EN 166:2001)
<b>Hand protection</b>	> 0,1 mm, Butyl rubber, >120 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin. Do not breathe vapour/spray. Keep out of the reach of children.
<b>Respiratory protection</b>	Not required under normal conditions.
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	colourless
Odor	characteristic
Odour threshold	No information available.
pH-value	No information available.
pH-value [1%]	No information available.
Boiling point [°C]	ca. 100
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	ca. 1,0
Bulk density [kg/m³]	not applicable
Solubility in water	miscible
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	No information available.
Kinematic viscosity	not applicable
Relative vapour density	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature	not applicable
Decomposition temperature [°C]	No information available.
Particle characteristics	not applicable

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

No information available.



Safety Data Sheet REACH(UK) (GB)  
**Polytec Plus**

Date printed 16.03.2021, Revision 16.03.2021

Version 02. Supersedes version: 01

Page 6 / 11

**10.5 Incompatible materials**

No information available.

**10.6 Hazardous decomposition products**

No dangerous reactions known if used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity

Substance
Propan-2-ol, CAS: 67-63-0
LC50, oral, Rat, 5045 mg/kg (RTECS)
LD0, oral, Human, 3570 mg/kg (RTECS)

#### Acute dermal toxicity

Substance
Propan-2-ol, CAS: 67-63-0
LD50, dermal, Rabbit, 12800 mg/kg (RTECS)

#### Acute inhalational toxicity

Substance
Propan-2-ol, CAS: 67-63-0
LC50, inhalative, Rat, 72,6 mg/l/4h (RTECS)

#### Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0
Rabbit, OECD 405, irritant

#### Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.

#### Respiratory or skin sensitisation

Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0
dermal, Guinea pig, OECD 406, non-sensitizing

#### Specific target organ toxicity — single exposure

Based on the available information, the classification criteria are not fulfilled.

#### Specific target organ toxicity — repeated exposure

Based on the available information, the classification criteria are not fulfilled.

#### Mutagenicity

Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0
OECD 476, c

#### Reproduction toxicity

Based on the available information, the classification criteria are not fulfilled.

Substance
Propan-2-ol, CAS: 67-63-0
NOAEL, Rat, 500 mg/kg bw/day, OECD 416, c

#### Carcinogenicity

Based on the available information, the classification criteria are not fulfilled.

#### Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.

#### General remarks

Toxicological data of complete product are not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
Propan-2-ol, CAS: 67-63-0
LC50, (96h), <i>Lepomis macrochirus</i> , 1400 mg/l (ECOTOX-Database)
EC50, (48h), <i>Daphnia magna</i> , > 13000 mg/l (IUCLID)
IC50, (72h), <i>Scenedesmus quadricauda</i> (alga), > 1000 mg/l (IUCLID)

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	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

not applicable

### 12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

### 12.7 Other adverse effects

Ecological data of complete product are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

For recycling, consult manufacturer.

#### Waste no. (recommended)

070699

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.

#### Waste no. (recommended)

150102  
150104



## SECTION 14: Transport information

### 14.1 UN number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

**EEC-REGULATIONS** 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2021)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- Observe employment restrictions for people Observe employment restrictions for young people.

- VOC (2010/75/CE) < 1%

#### 15.2 Chemical safety assessment

not applicable

### SECTION 16: Other information

#### 16.1 Hazard statements (SECTION 3)

H410 Very toxic to aquatic life with long lasting effects.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H319 Causes serious eye irritation.  
H225 Highly flammable liquid and vapour.

Safety Data Sheet REACH(UK) (GB)  
**Polytec Plus**

Date printed 16.03.2021, Revision 16.03.2021

Version 02. Supersedes version: 01

Page 11 / 11

## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV®/TWA = Threshold limit value – time-weighted average  
TLV®STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

### Modified position

SECTION 3 been added: Propan-2-ol

SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 12 been added: Contains no ingredients with endocrine-disrupting properties.

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