

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Rubbing Compound K5 (German: Schleifpaste K5)

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

rubbing compound

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

Company name:	POLYTOP GmbH	
Street:	Langenselbolder Str. 8	
Place:	D-63543 Neuberg	
Telephone:	+49-6183-80014-0	Telefax: +49-6183-80014-14
e-mail:	info@polytop.de	
Internet:	www.polytop.de	
Responsible Department:	Zentrale	Tel. +49-6183-80014-0

**Further Information**

GHS/CLP-classification and labelling in accordance with regulation 1272/2008/EU (incl.790/2009/EU)  
for mixtures entry into force from 01.06.2015

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

This mixture is not classified as dangerous according to Directive 1999/45/EC.

**GHS classification**

This mixture is not classified as dangerous according to Regulation (EC) No. 1272/2008.

**2.2. Label elements****SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

EU 648/2004: aliphatic hydrocarbons 15-30%, anionic surfactants <5%, non-ionic surfactants <5%,  
preservatives (Methylchloroisothiazolinone, Methylisothiazolinone, Tetramethylol-acetylendiurea),  
Additional information: abrasives, thickeners

**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
265-148-2	Aliphatic hydrocarbons (aromatic free), Note J+P Annex VI (EG1272/2008)	15-30 %
64742-46-7	Xn - Harmful R65	
	Asp. Tox. 1; H304	
918-481-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, note J+P Annex VI (EG1272/2008)	5-15 %
64742-48-9	Xn - Harmful R65-66	
	Asp. Tox. 1; H304	
01-2119457273-39		
226-408-0	Tetramethylol-acetylendiurea	<0,1 %
5395-50-6	Xi - Irritant R43	
	Skin Sens. 1; H317	
	Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	<0,0015 %
55965-84-9	T - Toxic, C - Corrosive, N - Dangerous for the environment R23/24/25-34-43-50-53	
613-167-00-5	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H331 H311 H301 H314 H317 H400 H410	

Full text of R and H phrases: see Section 16.

**Further Information**

viscosity, kinematic: >20,5 mPas·s (40°C).

Identification is not obligatory. Please observe the information on the safety data sheet at all times.

The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.

Wash hands before breaks and at the end of work.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Do not induce vomiting.

Have victim drink large quantities of water, with active charcoal if possible.

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

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

Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Extinguishing materials should be selected according to the surrounding area.

The product itself is not combustible.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

High slip hazard because of leaking or spilled product.

Provide adequate ventilation.

**6.2. Environmental precautions**

Product may not be released into water without pre-treatment.

Do not empty into drains or the aquatic environment.

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

Collect mechanically.

Treat the assimilated material according to the section on waste disposal.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas.

**Advice on protection against fire and explosion**

No special measures are necessary.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

No special measures are necessary.

**Advice on storage compatibility**

No special measures are necessary.

**Further information on storage conditions**

Protect against: frost.

storage temperature:

of °C: 0 up to °C: 30

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

No special measures are necessary.

Wash hands before breaks and at the end of work.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

**Hand protection**

Hand protection: not required.

**Eye protection**

Eye protection: not required.

**Skin protection**

Skin protection: not required.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	viscous
Colour:	white
Odour:	product-specific

**Test method**

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pH-Value (at 20 °C): 9,0-10,5

**Changes in the physical state**

Melting point: not determined

Boiling point: 100-220\* °C

Flash point: 70 °C

**Explosive properties**

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits: 0,6 vol. %

Upper explosion limits: 8,0 vol. %

Ignition temperature: 240 °C

**Oxidizing properties**

not oxidizing.

Vapour pressure: 24 hPa  
(at 20 °C)

Density (at 20 °C): 1,06 g/cm³

Water solubility: partially miscible

Viscosity / dynamic: 3000-5000 mPa·s  
(at 20 °C)

Solvent content: 10%

**9.2. Other information**

\* aliphatic hydrocarbons boiling temperature / boiling range 180-220°C

**SECTION 10: Stability and reactivity**

**10.4. Conditions to avoid**

No risks worthy of mention.

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to the escape of irritating gases and vapors.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Preparation not tested.

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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64742-46-7	Aliphatic hydrocarbons (aromatic free), Note J+P Annex VI (EG1272/2008)				
	oral	LD50	>15000 mg/kg	rat	
	dermal	LD50	>3160 mg/kg	rbt	
64742-48-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, note J+P Annex VI (EG1272/2008)				
	oral	LD50	>5000 mg/kg	rat	
	dermal	LD50	>5000 mg/kg	rbt	
	inhalative	LC50	>5 mg/l	rat	
55965-84-9	Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)				
	oral	ATE	100 mg/kg		
	dermal	ATE	300 mg/kg		
	inhalative	ATE	0,5 mg/l		

**Irritation and corrosivity**

Not an irritant.

**Sensitising effects**

no danger of sensitization.

**Empirical data on effects on humans**

Has de-greasing effect on the skin.

Frequently or prolonged contact with skin may cause dermal irritation.

**SECTION 12: Ecological information**

**12.1. Toxicity**

CAS No	Chemical name				
	Aquatic toxicity	Method	Dose	h	Species
64742-46-7	Aliphatic hydrocarbons (aromatic free), Note J+P Annex VI (EG1272/2008)				
	Acute fish toxicity	LC50	>100 mg/l	96	
64742-48-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, note J+P Annex VI (EG1272/2008)				
	Acute fish toxicity	LC50	>1000 mg/l	96	Oncorhynchus mykiss
	Acute algae toxicity	ErC50	>1000 mg/l	72	Pseudokirchneriella subcapitata
	Acute crustacea toxicity	EC50	>1000 mg/l	48	Daphnia magna

**12.2. Persistence and degradability**

Organic part of product is bio-degradable.

(Solvent.: Abiotic degradation in Air )

The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

**12.3. Bioaccumulative potential**

No indication of bio-accumulation potential.

**Further information**

Doesn't get into the sewage water as long as the process is carried out according to regulations.

**SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### Advice on disposal

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

#### Waste disposal number of waste from residues/unused products

120121 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent grinding bodies and grinding materials other than those mentioned in 12 01 20

#### Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

#### Contaminated packaging

Water with tenside additive.

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.2. UN proper shipping name:** Not a hazardous material with respect to these transportation regulations.

### Inland waterways transport (ADN)

**14.2. UN proper shipping name:** Not a hazardous material with respect to these transportation regulations.

### Marine transport (IMDG)

**14.2. UN proper shipping name:** Not a hazardous material with respect to these transportation regulations.

### Air transport (ICAO)

**14.2. UN proper shipping name:** Not a hazardous material with respect to these transportation regulations.

## SECTION 15: Regulatory information

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

#### EU regulatory information

1999/13/EC (VOC): Volatile organic compounds (VOC) in percentage by weight: 10

#### Additional information

Recommendation: Keep out of the reach of children.

Safety data sheet available for professional user on request.

648/2004: chapter 3 chemical characterization (preparation)

#### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

## SECTION 16: Other information

### Full text of R phrases referred to under Sections 2 and 3

- 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- 34 Causes burns.
- 43 May cause sensitisation by skin contact.
- 50 Very toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.

### Full text of H statements referred to under Sections 2 and 3

- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.

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H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Further Information**

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.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*