

According to 1907/2006/EG, Article 31

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

Tradename: TEK-1 POL diamond polishing paste

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

Sector of use: Uses of substances as such or in preparations at industrial sites

Use of the substance / mixture: Surface Treatment

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH

Street / mailbox: Im Klei 26

Country code. / postal code / city: DE - 38644 Goslar

Phone: +49 (0) 53 21 / 37 79 - 0

Fax: 0 53 21 / 38 96 32

E-mail / Website: info@siladent.de / www.siladent.de

Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture
Classification according to Regulation (EC)
No 1272/2008:**

The product is not classified according to the CLP regulation.

2.2 Label elements:**Labelling according to Regulation (EC) No 1272/2008:** Void**Hazard pictograms:** Void**Signal word:** Void**Hazard statements:** Void**2.3 Other hazards:****Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.1 Chemical characterisation:** Mixtures**Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous component:** Not applicable.

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

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.

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After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Rinse out mouth und drink plenty of water afterwards.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters
Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Not required.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up: Pick-up mechanically.

6.4 Reference to other sections: No dangerous substances are released.
Information on safe handling: see section 7
Information on personal protection equipment: see section 8
Information on disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Protect from contamination.

Storage class: 13

Classification according to Betriebssicherheitsverordnung (BetrSichV): -

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7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection *

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:		
1344-28-1 Aluminium oxide (50-100%)		
AGW values	Long-term value: 1.25 * 10 ** mg / m³ 2 (II); * respirable * inhalable; AGS, DFG	
57-11-4 stearic acid (10-25%)		
MAK value	Compare section IIb and Xc	
DNEL value		
1344-28-1 Aluminium oxide		
Inhalative	DNEL (acute, systemic effects)	6,2 mg/kg (acu)
	DNEL (long term exposure, local effects)	15,6 mg/m3 (acu)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. 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 cannot be calculated in advance and has therefore to be checked prior to the application.

Material of gloves: Fluororubber (Viton)
Nitrile rubber

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: Nitrile rubber, NBR

Eye protection: Not necessary.

Body protection: Protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information:

Appearance:

Form:

Solid substance

Colour:

pink

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Odour:	Characteristic
pH-value at 20 °C:	Not applicable
Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.
Flash point:	196 °C
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	395 °C
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Vapour pressure:	Not applicable.
Density at 20 °C:	3,5 g/cm ³
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with water:	Insoluble.
Partition coefficient (n-octanol/water) :	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0,0 %
Solids content:	100 %

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity****10.2 Chemical stability**

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Classification-relevant LD/LC50-values:		
1344-28-1 Aluminium oxide		
Oral	LD50	>5000 mg/kg (rat)

Primary irritant effect:**Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

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Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
CMR effects (carcinogenity, 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.
Specific target organ toxicity (single exposure):	Based on available data, the classification criteria are not met.
Specific target organ toxicity (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:**

1344-28-1 Aluminium oxide	
EC50/48h	> 100 mg/l (daphnia magna)
EC50/72h	> 100 mg/l (Salmo gairderi)
EC50/96h	> 100 mg/l (Selenastrum capricornutum)

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.
Additional ecological information:	
General notes:	Generally not hazardous to water.
12.5 Results of PBT an 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**

Must not be disposed together with household garbage. Do not empty into drains. The waste key numbers do not accord to the product anymore since 1.1.1999, but essentially is application related. The valid waste key number for the application can be found in the European Waste Catalogue.

Uncleaned packaging:**Recommendation:**

Contaminated packagings have to be emptied completely; after cleaning they can be recycled. Packagings that cannot

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be cleaned are to be disposed of in the same manner as the product

SECTION 14: Transport information

14.1 UN-Number: ADR, ADN, IMDG, IATA	Not applicable.
14.2 UN proper shipping name: ADR, ADN, IMDG, IATA	Not applicable.
14.3 Transport hazard class(es): ADR, ADN, IMDG, IATA	Not applicable.
14.4 Packing group: ADR, IMDG, IATA	Not applicable.
14.5 Environmental hazards: Marine pollutant Special precautions for user:	No Not applicable.
14.6 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.7 Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
Labelling according to Regulation (EC) No 1272/2008:	Void
Hazard pictograms:	Void
Signal word:	Void
Hazard statements:	Void
Guideline 2012/18/EU Specifically listed hazardous substances - Annex 1:	None of the ingredients is listed.
National Regulations: General Classification Guideline for Preparations of the EC (BetrSichV):	-
Water hazardous class:	Generally not hazardous for water.
Further regulations, limitations and legal requirement	
CMR substance:	None of the ingredients is listed.
15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
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 Organization
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)
GefStoffV:	Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
DNEL:	Derived No-Effect Level (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative

*** Data changed from the previous version**