Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (as last amended by Regulation (EU) 2020/878)

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

1.1 Product identifier

Tyre mounting paste black

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

Relevant identified uses of the substance or mixture:
Tire Mounting Paste

Uses advised against:
There is currently no information on this.

1.3 Details of the supplier of the safety data sheet

KS TOOLS Werkzeuge-Maschinen GmbH
Seligenstädter Grund 10 - 12
63150 Heusenstamm
Tel.: 06104 4974-0
Fax: 06104 4974-11
E-mail: aftersales@kstools.com.

1.4 Emergency number

Emergency number:
POISON EMERGENCY CALL/TRANSPORT EMERGENCY CALL -
Germany, Austria, Switzerland, Luxembourg (24h)
Tel: +49 89 220 61012 / 0800 000 7801 (German, English)
Numéro d'appel d'urgence en cas d'intoxication/d'accident -
Switzerland, Luxembourg (24h): Tel: ++33 1 7211 0003 (Français)

Emergency number: 112

SECTION 2: Potential hazards

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)
The mixture is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2 Labelling elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not applicable

2.3 Other dangers

The mixture does not contain a vPvB substance (vPvB = very persistent, very bioaccumulative) or does not fall under Annex XIII of Regulation (EC) 1907/2006 (< 0.1 %).
The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or does not fall under Annex XIII of Regulation (EC) 1907/2006 (< 0.1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0.1 %).

SECTION 3: Composition/information on ingredients

3.1 Fabrics
n.a.

3.2 Mixtures

Registration No. (REACH)	---
Index	---
EINECS, ELINCS, NLP, REACH-IT List-No.	---
CAS	---
% range	---
Classification according to Regulation (EC) No 1272/2008 (CLP), M-factors	---

SECTION 4: First aid measures

4.1 Description of first aid measures
First aiders should pay attention to self-protection!
Never give anything by mouth to an unconscious person!

Inhale
Remove person from danger zone.
Supply person with fresh air and consult a doctor depending on symptoms.

Skin contact
Wash thoroughly with plenty of water, remove contaminated, soaked clothing immediately, consult a doctor in case of skin irritation (reddening etc.).

Eye contact
Remove contact lenses.
Rinse thoroughly with plenty of water for several minutes, consult a doctor if necessary.

Ingestion
Rinse mouth thoroughly with water.
Consult a doctor immediately, carry data sheet.
Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed
If applicable, delayed symptoms and effects can be found in section 11. or in the intake routes under section 4.1.
In certain cases, the symptoms of poisoning may only appear after a longer period of time/after several hours.

4.3 Information on immediate medical assistance or specialised treatment
Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1 Extinguishing agents
Suitable extinguishing agents
CO2
Extinguishing powder
Water spray jet Alcohol-resistant foam
Unsuitable extinguishing agents
Full water jet

5.2 Special hazards arising from the substance or mixture
In the event of a fire, they can form:
Carbon oxides
Toxic gases

5.3 Instructions for firefighting
Personal protective equipment see section 8.
Do not inhale explosion and combustion gases.
Self-contained breathing apparatus.
Depending on fire size
Full protection if necessary.
Dispose of contaminated extinguishing water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 Staff not trained for emergencies
In case of spillage or accidental release, wear personal protective equipment from section 8 to prevent contamination.
Ensure adequate ventilation, remove ignition sources.
Avoid dust formation with solid or powdery products.
Leave the danger zone if possible, use existing emergency plans if necessary.
Avoid eye and skin contact as well as inhalation.
Be aware of the risk of slipping.

6.1.2 Emergency services
See section 8 for suitable protective equipment and material information.

6.2 Environmental protection measures
Contain in case of leakage of larger quantities.
Eliminate leaks if possible without risk.
Do not allow to enter the sewage system.
Avoid penetration into surface and ground water as well as into the soil.
In the event of accidental discharge into the sewerage system, inform the relevant authorities.

6.3 Methods and material for retention and cleaning
Pick up mechanically and dispose of according to section 13.
Or:
Absorb with liquid-binding material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of in accordance with section 13.

6.4 Reference to other sections
See section 13. and personal protective equipment see section 8.

SECTION 7: Handling and storage

In addition to the information contained in this section, relevant information can also be found in sections 8 and 6.1.

7.1 Protective measures for safe handling
7.1.1 General recommendations
Ensure good room ventilation.
Avoid eye contact.
Avoid prolonged or intensive skin contact.
Eating, drinking, smoking and storing food in the work area is prohibited.

Observe the information on the label and the instructions for use.

7.1.2 Information on general hygiene measures in the workplace

The general hygiene measures for handling chemicals must be applied.
Wash hands before breaks and at the end of work.
Keep away from food, drink and animal feed.
Remove contaminated clothing and protective equipment before entering areas where food is served.

7.2 Conditions for safe storage, taking into account incompatibilities

Do not store the product in passageways and stairways.
Only store the product in its original packaging and closed.
Storage class see section 15.
Store in a cool place.
Store in a dry place.

7.3 Specific end uses

There is currently no information on this.

SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Ⓓ Chemical name	Glycerin	
AGW: 10 ppm (44 mg/m3)	Spb.-Üf.: 2(I)	---
Monitoring methods:	---	
BGW: ---	Other data: DFG, Y	

Diethylene glycol						
Field of application	**Exposure path / Environmental compartment**	**Impact on the Health**	**Descriptor**	**Value**	**Unit**	**Remark**
	Environment - Freshwater		PNEC	0,885	mg/l	
	Environment - Seawater		PNEC	0,088	mg/l	
	Environment - Wastewater Treatment Plant		PNEC	1000	mg/l	
	Environment - sediment, fresh water		PNEC	3,3	mg/kg dw	
	Environment - Soil		PNEC	0,141	mg/kg dw	
	Environment - Sediment,Seawater		PNEC	0,33	mg/kg dw	
	Environment - Waste water treatment plant		PNEC	8,85	mg/l	
Consumers	Human - Inhalation	Long-term, local effects	DNEL	33	mg/m3	
Consumers	Human - dermal	Long-term, systemic effects	DNEL	229	mg/kg bw/day	
Workers / employees	Human - Inhalation	Long-term, local effects	DNEL	56	mg/m3	

AGW = Occupational Exposure Limits (Technical Rules for Hazardous Substances No. 900 - TRGS 900): E = Inhalable fraction, A = Alveolar fraction.
(EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, or 2019/1831/EU.
(8) = Inhalable fraction (2004/37/EC, 2017/164/EU). (9) = Alveolar fraction (2004/37/EC, 2017/164/EU). (11) = Inhalable fraction (2004/37/EC). (12) = Inhalable fraction. Alveolar fraction in Member States that, on the date of entry into force of this Directive, implement a biomonitoring system with a biological limit of no more than 0.002 mg Cd/g creatinine in urine (2004/37/EC).
** The occupational exposure limit for this substance was withdrawn from TRGS 900 (Germany) in January 2006 pending revision.
Peak Limit – Exceedance Factor (1 to 8) and Category (I, II) for short-term values (Technical Rules for Hazardous Substances No. 900 – TRGS 900): "= =" = Instantaneous value. Category (I) = Substances for which local effects

determine the exposure limit
or respiratory sensitizers; (II) = Substances with systemic effects. E = Inhalable fraction, A = Alveolar fraction.
(EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, or 2019/1831/EU.
(8) = Inhalable fraction (2004/37/EC, 2017/164/EU). (9) = Alveolar fraction (2004/37/EC, 2017/164/EU). (10) =
Short-term exposure limit for a reference period of one minute (2017/164/EU).
** The occupational exposure limit for this substance was withdrawn from TRGS 900 (Germany) in January 2006 pending revision.
BGW = Biological Limit Values (Technical Rules for Hazardous Substances No. 903 - TRGS 903): Sample material: B = whole blood,
BE = red blood cell fraction of whole blood, P/S = plasma/serum, U = urine.
Sampling time: a) no restriction under steady-state conditions, b) end of exposure or end of shift, c) at the end of the shift,
in the case of long-term exposure following several preceding shifts, d) before the next shift, e) after the end of exposure:
hours, f) after at least 3 months of exposure, g) immediately after exposure, h) at the end of the shift, in the case of long-term exposure following
several preceding shifts; determination of individual pre-exposure values as reference values, i) at the end of the shift at
the end of the workweek after at least 2 weeks of exposure.
(EU) = Directive 98/24/EC or 2004/37/EC or SCOEL (Biological Limit Value - BLV, Recommendation from the Scientific Committee on Occupational Exposure Limits (SCOEL)) |
| Other information (Technical Rules for Hazardous Substances No. 900 – TRGS 900): H = absorbed through the skin. X = carcinogenic substance of
Category 1A or 1B or carcinogenic activity or process pursuant to Section 2(3)(4) of the Hazardous Substances Ordinance – Section 10 of the Hazardous Substances Ordinance must also be observed. Y = There is no risk of fetal harm if the AGW and BGW are complied with
. Z = A risk of fetal harm cannot be ruled out even if the AGW and BGW are complied with
(see No. 2.7 TRGS 900). Sa = Respiratory sensitizer. Sh = Skin sensitizer. Sah = Respiratory and
skin sensitizer. DFG = German Research Foundation (MAK Commission). AGS = Committee on Hazardous Substances. (10) = The occupational exposure limit refers to the elemental content of the corresponding metal. (11) = Sum of vapors and aerosols.
(TRGS 905) = List of carcinogenic, germ cell mutagenic, or reprotoxic substances (Technical Rules for
Hazardous Substances No. 905): Substances not listed in Annex VI, Part 3 of the CLP Regulation or classified by the AGS in a manner deviating from that list, with K =
Carcinogenic, M = Germ cell mutagen, RF = Reproductive toxin—may impair fertility (may affect fertility
), RE = Reproductive toxin—developmental toxicity (may harm the unborn child), 1A/1B/2 =
Categories according to Annex I of the CLP Regulation.
(TRGS 907) = List of sensitizing substances and activities involving sensitizing substances (Technical Rules for
Hazardous Substances No. 907): Sa = Respiratory sensitizer. Sh = Skin sensitizer. Sah = Respiratory and skin sensitizer.
(EU) = Directives 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU, or 2024/869/EU:
(13) = The substance may cause skin and respiratory sensitization (Directives 98/24/EC, 2004/37/EC), (14) = The
substance may cause skin sensitization (Directive 2004/37/EC), (15) = A significant increase in the body's total exposure due to dermal exposure is possible.
** The occupational exposure limit for this substance was withdrawn from TRGS 900 (Germany) in January 2006 pending revision.

8.2 Exposure controls and monitoring
8.2.1 Suitable technical control equipment

Ensure good ventilation. This can be achieved by local extraction or general exhaust air.
If this is not sufficient to keep the concentration below the occupational exposure limit values (OEL), suitable respiratory protection must be worn.
Only applies if exposure limit values are listed here.
Suitable assessment methods for checking the effectiveness of the protective measures taken include metrological and non-measurable determination methods.
These are described by e.g. EN 14042, TRGS 402 (Germany).
EN 14042 "Workplace atmospheres. Guideline for the application and use of methods and equipment for the detection of chemical and biological agents".
TRGS 402 (Germany) "Determination and assessment of hazards during activities involving hazardous substances - Inhalative exposure".

8.2.2 Individual protective measures, for example personal protective equipment
The general hygiene measures for handling chemicals must be applied. Wash hands
before breaks and at the end of work.
Keep away from food, drink and animal feed.
Remove contaminated clothing and protective equipment before entering areas where food is served.

Eye/face protection:
In case of risk of eye contact.
Safety goggles with side shields (EN 166).

Skin protection - Hand protection:
Normally not required.
Hand protection cream recommended.
For prolonged contact:
Rubber gloves (EN ISO 374).
Protective gloves made of plastic (EN ISO 374).
Minimum layer thickness in mm:
0,5
Permeation time (breakthrough time) in minutes:
480

Skin protection - Other protective measures:
Protective work clothing (e.g. safety shoes EN ISO 20345, long-sleeved work clothing).

Respiratory protection:
Normally not required.

Thermal hazards:
Not applicable

Additional information on hand protection - No tests have been carried out.
The selection of mixtures was made to the best of our knowledge and based on the information provided by the ingredients.
The selection of fabrics was derived from the glove manufacturers' specifications.
The final selection of the glove material must take into account the breakthrough times, permeation rates and degradation.
The selection of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer.
For mixtures, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
The exact breakthrough time of the glove material must be obtained from the protective glove manufacturer and adhered to.

8.2.3 Limitation and monitoring of environmental exposure
There is currently no information on this.

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Physical state:	Paste, firm.
Colour:	Light brown, brown
Odour:	Characteristic
Melting point/freezing point:	50 °C
Boiling point or initial boiling point and boiling range:	There is no information available for this parameter.
Flammability:	Non-flammable.
Lower explosion limit:	Does not apply to solids.
Upper explosion limit:	Does not apply to solids.
Flash point:	Does not apply to solids.
Ignition temperature:	Does not apply to solids.
Decomposition temperature:	There is no information available on this parameter.
pH value:	7-8
Kinematic viscosity:	Does not apply to solids.
Solubility:	There is no information available on this parameter.
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	There is no information available on this parameter.
Relative vapour density:	Does not apply to mixtures.

9.2 Other information

Explosive substances/mixtures and articles containing explosives:	Product is not explosive.

Oxidising liquids: No

SECTION 10: Stability and reactivity

10.1 Reactivity
Not to be expected

10.2 Chemical stability
Stable when stored and handled properly.

10.3 Possibility of hazardous reactions
No dangerous reactions known.

10.4 Conditions to avoid
See also Section 7.
Protect from moisture.

10.5 Incompatible materials
See also Section 7.
Avoid contact with strong oxidizing agents.
Avoid contact with strong acids.

10.6 Hazardous decomposition products
No decomposition when used as intended.

SECTION 11: Toxicological information

11.1. Information on hazard classes according to Regulation (EC) No 1272/2008
For possible further information on health effects see section 2.1 (Classification).

Tyre mounting paste black						
Toxicity / Effect	**End point**	**Value**	**Unit**	**Organism**	**Test method**	**Remark**
Acute toxicity, oral:						n.d.v.
Acute toxicity, dermal:						n.d.v.
Acute toxicity, inhalation:						n.d.v.
Corrosive/irritant effect on the skin:						n.d.v.
Serious eye damage/irritation:						n.d.v.
Sensitisation of the respiratory tract/skin:						n.d.v.
Germ cell mutagenicity:						n.d.v.
Carcinogenicity:						n.d.v.
Reproductive toxicity:						n.d.v.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.v.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.v.
Danger of aspiration:						n.d.v.
Symptoms:						n.d.v.

Diethylene glycol						
Toxicity / Effect	**End point**	**Value**	**Unit**	**Organism**	**Test method**	**Remark**
Acute toxicity, oral:	LD50	>2000	mg/kg	Rat		
Acute toxicity, dermal:	LD50	>5000	mg/kg	Rabbit	IUCLID Chem. Data Sheet (ESIS)	

Corrosive/irritant effect on the skin:				Rabbit	OECD 404 (Acute Dermal Irritation/ Corrosion)	Non-irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Non-irritating
Sensitisation of the respiratory tract/skin:				Meerschweinchen		No (skin contact)
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity	NOAEL	2000	mg/kg/d			Negative
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	3,91	mg/l	Rat		(14d)
Risk of aspiration:						Negative
Symptoms:						Abdominal pain, Dizziness, Diarrhea, Vomiting, Headache, Irritation of the mucous membranes, Nausea

11.2. Information on other hazards

Tyre mounting paste black						
Toxicity / Effect	**End point**	**Value**	**Unit**	**Organism**	**Test method**	**Remark**
Endocrine disrupting properties:						Does not apply to mixtures.
Other information:						No other relevant information on adverse health effects available.

SECTION 12: Environmental information

For possible further information on environmental effects see section 2.1 (Classification).

Tyre mounting paste black							
Toxicity / Effect	**End point**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Remark**
12.1 Toxicity, fish:							n.d.v.
12.1 Toxicity, Daphnia:							n.d.v.
12.1 Toxicity, algae:							n.d.v.

12.2 Persistence and degradability:							n.d.v.
12.3.Bioaccumulative potential:							n.d.v.
12.4 Mobility in soil:							n.d.v.
12.5 Results of PBT and vPvB assessment:							n.d.v.
12.6. Endocrine disrupting properties:							Does not apply to mixtures.
12.7 Other adverse effects:							No data available on other adverse effects on the environment.
Other information:							Does not contain AOX according to the formulation.
Other information:							DOC elimination level (organic complexing agents) >= 80%/28d: n.a.

Glycerin

Toxicity / Effect	End point	Time	Value	Unit	Organism	Test method	Remark
12.1 Toxicity, fish:	LC50	96h	>5000	mg/l	Carassius auratus		
12.1 Toxicity, Daphnia:	LC50	48h	>10000	mg/l	Daphnia magna		
12.1 Toxicity, Daphnia:	EC5	72h	3200	mg/l			Entosiphon sulcatum
12.1 Toxicity, algae:	EC50		2900	mg/l	Chlorella vulgaris		
12.2 Persistence and degradability:		14d	63	%		OECD 301 A (Ready Biodegradability - Modified MITI Test (I))	
12.2 Persistence and degradability:	BOD/COD		>60	%			
12.2 Persistence and degradability:	DOC		>70	%			Easily biodegradable
12.2 Persistence and degradability:	BOD5		0,87	g/g			
12.2 Persistence and degradability:	COD		1,16	g/g			
12.3. Bioaccumulation potential:	Log Pow		-1,75			OECD 107 (Partition Coefficient (n-Octanol/ water) - Shake Flask Method)	Eine Bioakkumulation ist nicht zu erwarten (LogPow < 1).
12.5. Results of the PBT and vPvB assessment:							Not a PBT substance, Not a vPvB substance
Bacterial toxicity:	EC5	16h	> 10000	mg/l	Pseudomonas putida		

SECTION 13: Disposal instructions

13.1 Waste treatment methods

For the substance / mixture / residual quantities

Waste code no. EC:
The mentioned waste codes are recommendations based on the expected use of this product. Due to the specific use and disposal conditions of the user, other waste codes may also be assigned under certain circumstances.
(2014/955/EU)
07 06 99 wastes not otherwise specified.
Recommendation:
Disposal via waste water is not recommended.
Observe local official regulations.
For example, suitable incineration plant.
For example, deposit in a suitable landfill.

For contaminated packaging material

Observe local official regulations.

Recommendation:
Empty the container completely.
Non-contaminated packaging can be reused.
Packaging that cannot be cleaned must be disposed of in the same way as the substance.

SECTION 14: Transport information

General information

Road / rail transport (GGVSEB/ADR/RID)

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard classes:	Not applicable
14.4. Packaging group:	Not applicable
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	Not applicable
Classification code:	Not applicable
LQ:	Not applicable
Transport category:	Not applicable

Transport by sea-going vessels (GGVSee/IMDG Code)

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard classes:	Not applicable
14.4. Packaging group:	Not applicable
14.5. Environmental hazards:	Not applicable
Marine pollutant:	Not applicable
EmS:	Not applicable

Carriage by aircraft (IATA)

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard classes:	Not applicable
14.4. Packaging group:	Not applicable
14.5. Environmental hazards:	Not applicable

14.6. Special precautions for the user

Unless otherwise specified, the general measures for safe transport must be observed.

14.7. Bulk transport by sea in accordance with IMO instruments

No dangerous goods according to the above regulations.

SECTION 15: Legislation

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

Observe restrictions:
The general hygiene measures for handling chemicals must be applied.
Directive 2010/75/EU (VOC): < 0,1 %
Water hazard class (Germany): 1

Technical Instructions on Air Quality Control - TA Luft:
Chapter 5.2.1 - Total dust (inorganic and organic substances, general, not assigned to any class): 10,00 -< 25,00 %
Chapter 5.2.5 - Organic substances (non-dusty organic substances, general, not assigned to a class): 50,00 -< 75,00 %

Observe the Youth Labour Protection Act (JArbSchG) (Germany).
Occupational exposure limits/biological limit values see section 8.

Storage class according to TRGS 510:
11 Combustible solids that do not fall into any of the aforementioned storage classes
13 Non-combustible solids that do not fall into any of the aforementioned storage classes
National guidelines/regulations on safety and health protection when using work equipment must be applied.

15.2 Chemical safety assessment
A chemical safety assessment is not required for mixtures.

SECTION 16: Other information

Revised sections: 8

Classification and methods used to derive the classification of the mixture according to Regulation (EC) 1272/2008 (CLP):
Not applicable

The following sentences represent the written out H-phrases, hazard class code (GHS/CLP) of the ingredients (named in section 2 and 3).

Important literature and data sources:
Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) No. 1272/2008 (CLP) as amended. Guidelines for the preparation of safety data sheets in the valid version (ECHA).
Guidance on labelling and packaging according to Regulation (EC) No. 1272/2008 (CLP) as amended (ECHA). Safety data sheets of the ingredients.
ECHA-homepage - Information on chemicals.
GESTIS substance database (Germany).
Federal Environment Agency "Rigoletto" information page on substances hazardous to water (Germany).
EU occupational exposure limit values Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831 as amended.
National occupational exposure limit value lists of the respective countries as amended.
Regulations for the transport of dangerous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:

ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
Alcohol resistant	Alcohol resistant
general	General
AOX	Adsorbable organic halogen compounds
Art. no.	Item number
ASTM ASTM	International (American Society for Testing and Materials)
ATE	Acute Toxicity Estimate (= estimated value of acute toxicity)

BAFU	Federal Office for the Environment (Switzerland)
BAM	Federal Institute for Materials Research and Testing
BAuA	Federal Institute for Occupational Safety and Health
BCF	Bioconcentration factor (= bioconcentration factor)
Note.	Remark
BG	Employer's liability insurance association
BG BAU	Employer's Liability Insurance Association of the Construction Industry (Germany)
BSEF	The International Bromine Council
bw	body weight (= body weight)
resp.	respectively
CAS	Chemical Abstracts Service
ChemRRV	Chemical Risk Reduction Ordinance (Switzerland)
CLP	Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR	carcinogenic, mutagenic, toxic for reproduction (carcinogenic, mutagenic, toxic for reproduction)
DMEL	Derived minimum effect level (= derived minimum effect limit value)
DNEL	Derived No Effect Level (= derived no effect limit value)
DOC	Dissolved organic carbon (= dissolved organic carbon)
dw	dry weight (= dry weight)
EbCx, EyCx, EbLx (x = 10, 50)	Effect Concentration/Level of x % on reduction of the biomass (algae, plants) (= concentration/dose with an effect of x % on the reduction of the biomass (algae, plants))
ECHA	European Chemicals Agency (= European Chemicals Agency)
ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100)	Effect Concentration/Level for x % effect (= concentration/dose with an effect of x%)
EC	European Community
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European standards
EPO	United States Environmental Protection Agency (United States of America)
ErCx, EμCx, ErLx (x = 10, 50)	Effect concentration/Level of x % on inhibition of the growth rate (algae, plants) (= concentration with an effect of x % on the inhibition of the growth rate (algae, plants))
etc., etc.	et cetera, and so on
EU	European Union
EVAL	Ethylene-vinyl alcohol copolymer
EEC	European Economic Community
Fax.	Fax number
GGVSEB	Dangerous Goods Ordinance for Road, Rail and Inland Navigation (Germany)
GGVSee	Gefahrgutverordnung See (Ordinance on the Carriage of Dangerous Goods by Sea, Germany)
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (= Globally Harmonised System of Classification and Labelling of Chemicals)
GISBAU	Hazardous Substance Information System of BG Bau - Employer's Liability Insurance Association for the Construction Industry (Germany)
GisChem	Chemicals hazardous substance information system of BG RCI - German Social Accident Insurance Institution for the raw materials and chemical industry and BGHM - German Social Accident Insurance Institution for the wood and metal industry (Germany)
GWP	Global warming potential (= global warming potential)
IARC	International Agency for Research on Cancer (= International Agency for Research on Cancer)
IATA	International Air Transport Association (= International Air Transport Association)
IBC (code)	International Bulk Chemical (Code)
IMDG Code	International Maritime Code for Dangerous Goods (= Dangerous goods in international maritime transport)
incl.	inclusive, including
IUCLID	International Uniform Chemical Information Database
IUPAC	International Union for Pure Applied Chemistry (= International Union for Pure and Applied Chemistry)
n.d.v.	No data available
Koc	Adsorption coefficient of organic carbon in the soil
Conc.	Concentration
Kow	Octanol/water partition coefficient
LC50	Lethal Concentration to 50 % of a test population (= lethal concentration for 50 % of a test population)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose) (= For 50% of a test population lethal dose (median lethal dose))
LGK	Storage class
LOEC, LOEL	Lowest Observed Effect Concentration/Level (lowest concentration/dose with observed effect)
Log Koc	Logarithm of the adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow	Logarithm of the octanol/water partition coefficient
LQ	Limited Quantities
LRV	Ordinance on Air Pollution Control (Switzerland)

LVA	Lists on the transport of waste (Switzerland)
MARPOL	International Convention for the Prevention of Pollution from Ships
mg/kg bw	mg/kg body weight
mg/kg bw/d, mg/kg	bw/day mg/kg body weight/day
mg/kg dw	mg/kg dry weight
mg/kg feed	mg/kg feed
mg/kg wwt	mg/kg wet weight
Min., min.	Minute(s) or at least or minimum
n.a.	not applicable
n.g.	not tested
n.v.	not available
NIOSH	National Institute for Occupational Safety and Health (USA)
NLP	No-longer-polymer (= no-more-polymer)
NOEC, NOEL	No Observed Effect Concentration/Level (= concentration/dose without observed effect)
OECD	Organisation for Economic Co-operation and Development (= Organisation for Economic Co-operation and Development)
org.	organic
OSHA	Occupational Safety and Health Administration (USA)
PBT	persistent, bioaccumulative and toxic (= persistent, bioaccumulative and toxic)
PE	Polyethylene
PNEC	Predicted No Effect Concentration (= estimated no effect concentration)
Pt.	Point
PVC	Polyvinyl chloride
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No.	9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
resp.	respectively
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation on the International Carriage of Dangerous Goods by Rail)
SVHC	Substances of Very High Concern (= substances of very high concern)
Tel.	Telephone
TOC	Total organic carbon (= total organic carbon)
TRGS	Technical rules for hazardous substances
UEVK	Federal Department of the Environment, Transport, Energy and Communications (Switzerland)
UN RTDG	United Nations Recommendations on the Transport of Dangerous Goods (the United Nations recommendations for the transport of dangerous goods)
UV	Ultraviolet
VbF	Ordinance on Flammable Liquids (Austrian Ordinance) VeVA Ordinance on the Movement of Waste (Switzerland)
VOC	Volatile organic compounds (= volatile organic compounds)
vPvB	very persistent and very bioaccumulative (= very persistent and very bioaccumulative)
WBF	Federal Department of Economic Affairs, Education and Research (Switzerland)
WGK	Ordinance on Installations for Handling Substances Hazardous to Water - AwSV
WGK1	slightly hazardous to water
WGK2	clearly hazardous to water
WGK3	Highly hazardous to water
curr.	currently
e.g.	example

The information provided here is intended to describe the product with regard to the necessary safety precautions; it is not intended to guarantee specific properties and is based on our current state of knowledge. Liability excluded.
Issued by:

KS Tools Werkzeuge-Maschinen GmbH,
Seligenstädter Grund 10-12, 63150 Heusenstamm,
Phone: +49 (6104) 49 74 0, Fax: +49 (6104) 49 74 11