

Trade name: Felgenreiniger K viskos**Product no.:** 233999**Current version :** 1.0.0, issued: 04.09.2020**Replaced version:** -, issued: -**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

Felgenreiniger K viskos**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Cleaner

Uses advised against

No data available.

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

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

For information in the event of an emergency during transport:

+44 1865 407333

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Acute Tox. 4; H302

Eye Dam. 1; H318

Skin Corr. 1; H314

Classification information

Product is classified as "Corrosive" based on the extreme pH-value, see:

- Regulation 1272/2008 (CLP), Annex. I, number 3.2.2.2 / 3.2.3.1.2

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS05



GHS07

Signal word

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Danger

Hazardous component(s) to be indicated on label:

phosphoric acid

Hazard statement(s)

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

Precautionary statement(s)

P260

Do not breathe vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor.

2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	phosphoric acid			
	7664-38-2 231-633-2 015-011-00-6 01-2119485924-24	Met. Corr. 1; H290 Skin Corr. 1B; H314 Acute Tox. 4; H302 Eye Dam. 1; H318	>= 25.00 - < 50.00	%-b.w.
2	[[[(2-hydroxyethyl)imino]dimethylene]bisphosphonic acid, sodium salt			
	22036-78-8 244-743-0 - -	Met. Corr. 1; H290 Eye Irrit. 2; H319	< 5.00	%-b.w.
3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts			
	68411-30-3 270-115-0 - 01-2119489428-22	Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	< 2.50	%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor	M-factor
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			(acute)	(chronic)
1	B	Skin Irrit. 2; H315: C >= 10% Eye Irrit. 2; H319: C >= 10% Skin Corr. 1B; H314: C >= 25%	-	-
3	-	Acute Tox. 4; H302: C >= 65%	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation. In case of persisting adverse effects consult a physician.

After skin contact

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

No data available.

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Phosphorus oxides; Corrosive gases/vapours

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry

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into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dilute with plenty of water.

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

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

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
List of approved workplace exposure limits (WELs) / EH40			
	Orthophosphoric acid		
	WEL short-term (15 min reference period)	2	mg/m ³
	WEL long-term (8-hr TWA reference period)	1	mg/m ³
2000/39/EC			
	Orthophosphoric acid		
	WEL short-term (15 min reference period)	2	mg/m ³
	WEL long-term (8-hr TWA reference period)	1	mg/m ³

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	phosphoric acid			7664-38-2 231-633-2

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	inhalative	Long term (chronic)	local	1	mg/m ³
	inhalative	Short term (acut)	local	2	mg/m ³
	inhalative	Long term (chronic)	systemic	10.7	mg/m ³
2	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts			68411-30-3 270-115-0	
	dermal	Long term (chronic)	systemic	85	mg/kg/day
	inhalative	Long term (chronic)	systemic	6	mg/m ³
	inhalative	Long term (chronic)	local	6	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	phosphoric acid			7664-38-2 231-633-2	
	oral	Long term (chronic)	systemic	0.1	mg/kg/day
	inhalative	Long term (chronic)	local	0.36	mg/m ³
	inhalative	Long term (chronic)	systemic	4.57	mg/m ³
2	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts			68411-30-3 270-115-0	
	oral	Long term (chronic)	systemic	0.425	mg/kg/day
	dermal	Long term (chronic)	systemic	42.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	1.5	mg/m ³
	inhalative	Long term (chronic)	local	1.5	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts		68411-30-3 270-115-0	
	water	fresh water	0.268	mg/L
	water	marine water	0.0268	mg/L
	water	Aqua intermittent	0.0167	mg/L
	water	fresh water sediment	8.1	mg/kg dry weight
	water	marine water sediment	6.8	mg/kg dry weight
	soil	-	35	mg/kg dry weight
	sewage treatment plant	-	3.43	mg/L

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respiratory protection mask with combination filter.

Respirator A2 P2

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the

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manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>	0.5	mm
Breakthrough time	>	480	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

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

Form/Colour	
liquid	
red	
Odour	
of lemon	
Odour threshold	
No data available	
pH value	
Value	0
Boiling point / boiling range	
No data available	
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Flash point	
Not applicable	
Auto-ignition temperature	
No data available	
Oxidising properties	
not oxidizing	
Explosive properties	
No data available	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	
No data available	
Vapour pressure	
No data available	
Vapour density	
No data available	

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Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	1.25 g/cm ³		
Reference temperature	20 °C		
Solubility in water			
Comments	miscible		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
log Pow		1.4	
Reference temperature with reference to		23	°C
Method	pH 6,1 OECD 123		
Source	ECHA		
Viscosity			
No data available			

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Formation of hydrogen gas possible on contact with certain metals (f.e. aluminium)

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

strong bases; strong oxidizing agents

10.6 Hazardous decomposition products

None, if handled according to intended use.

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

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Felgenreiniger K viskos
ATE (Mixture)	1299 mg/kg .64

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Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.		
Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
LD50	300 - 2000		mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
2	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
LD50	1080		mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Acute dermal toxicity			
No data available			
Acute inhalational toxicity			
No data available			
Skin corrosion/irritation			
No data available			
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
Species	rabbit		
Source	ECHA		
Evaluation	strongly corrosive		
2	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irreversible effects on the eye		
Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Reproduction toxicity			
No	Substance name	CAS no.	EC no.

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1	phosphoric acid	7664-38-2	231-633-2
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Carcinogenicity			
No data available			
STOT - single exposure			
No data available			
STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
Species		rat	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Aspiration hazard			
No data available			

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
LC50		1.67	mg/l
Duration of exposure		96	h
Species		Lepomis macrochirus	
Method		USA EPA, 1975	
Source		ECHA	
Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
NOEC		0.23	mg/l
Duration of exposure		72	day(s)
Species		Oncorhynchus mykiss	
Source		ECHA	
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
EC50		>	100 mg/l
Duration of exposure		48	h
Species		Daphnia magna	
Method		OECD 202	
Source		ECHA	
2	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
EC50		2.9	mg/l
Duration of exposure		48	h
Species		Daphnia magna	

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Method	OECD 202
Source	ECHA

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
NOEC		1.18	mg/l
Duration of exposure		21	
Species		Daphnia magna	
Method		OECD 211	
Source		ECHA	

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
EC50		>	100 mg/l
Duration of exposure		72	h
Species		Desmodesmus subspicatus	
Method		OECD 201	
Source		ECHA	
2	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
ErC50		127.9	mg/l
Duration of exposure		72	h
Species		Scenedesmus subspicatus	
Method		88/302/EEC, C.11	
Source		ECHA	

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
NOEC		2.4	mg/l
Duration of exposure		72	day(s)
Species		Scenedesmus subspicatus	
Method		88/302/EEC	
Source		ECHA	

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
EC50		>	1000 mg/l
Duration of exposure		3	h
Species		activated sludge	
Method		OECD 209	
Source		ECHA	

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
Value		85	%
Duration		29	day(s)
Method		OECD 301 B	
Source		ECHA	
Evaluation		readily biodegradable	

12.3 Bioaccumulative potential

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Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0
log Pow		1.4	
Reference temperature with reference to Method Source		23	°C
		pH 6,1	
		OECD 123	
		ECHA	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

Class	8
Classification code	C1
Packing group	III
Hazard identification no.	80
UN number	UN1805
Proper shipping name	PHOSPHORIC ACID, SOLUTION
Tunnel restriction code	E
Label	8

14.2 Transport IMDG

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Class	8
Packing group	III
UN number	UN1805
Proper shipping name	PHOSPHORIC ACID SOLUTION
EmS	F-A, S-B
Label	8

14.3 Transport ICAO-TI / IATA

Class	8
Packing group	III
UN number	UN1805
Proper shipping name	Phosphoric acid, solution
Label	8

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

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

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3
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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product. Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed. The surfactants contained in this product comply with the DetVO 648/2004/EC.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

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Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H290	May be corrosive to metals.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
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