Safety data sheet
according to 1907/2006/EC (REACH)

Trade name: **i.CLEANER**

Printing date: **19.07.2022** **Version: 4.0.3 (4.0.2)**

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

1.1 Product identifier
Trade name: i.CLEANER

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses
PC 35 - Washing and cleaning products

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier: i.GLUESYSTEMS GmbH
Heinrich-Otto-Str. 71
D-73240 Wendlingen am Neckar
+49(0) 7024-4154920
info@i-gluesystems.com

Further information: +49(0) 7024-4154920
info@i-gluesystems.com

1.4 Emergency telephone no: +49(0) 551 19240 emergency phone number Göttingen 24h Mo-Su

SECTION 2
Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]
None

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Special rules for supplemental label elements for certain mixtures
EUH210 Safety data sheet available on request.

2.3 Other hazards
None

SECTION 3
Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients
ETHANOL ; REACH No. : 01-2119457610-43-XXXX ; EC No. : 200-578-6; CAS No. : 64-17-5
Weight fraction : ≥ 10 - < 25 %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319
Specific Conc. Limits : Eye Irrit. 2 ; H319: C ≥ 50 %

2-BUTOXYETHANOL ; REACH No. : 01-2119475108-36-XXXX ; EC No. : 203-905-0; CAS No. : 111-76-2
Weight fraction : ≥ 1 - < 5 %
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319
Substance with a common (EC) occupational exposure limit value.

AMMONIA, AQUEOUS SOLUTION ; EC No. : 215-647-6 ; CAS No. : 1336-21-6
Weight fraction : ≥ 0,1 - < 0,2 %
Classification 1272/2008 [CLP] : Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1; H314 H318 H400
STOT SE 3; H335: >= 5 - 100

Additional information
Full text of H- and EUH-phrases: see section 16.

SECTION 4
First aid measures

4.1 Description of first aid measures
General information
When in doubt or if symptoms are observed, get medical advice.

Following inhalation
In case of respiratory tract irritation, consult a physician. Remove casualty to fresh air and keep warm and at rest.

In case of skin contact
After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion
Rinse mouth immediately and drink plenty of water. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed
None

4.3 Indication of any immediate medical attention and special treatment needed
None

SECTION 5
Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Water Foam Extinguishing powder Carbon dioxide (CO2) Sand Nitrogen Extinguishing blanket
Unsuitable extinguishing media
Full water jet

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products
Nitrogen oxides (NOx). Carbon dioxide (CO2) Carbon monoxide

5.3 Advice for firefighters
Apply foam in abundant quantities since some of it gets destroyed by the product. Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information
Move undamaged containers from immediate hazard area if it can be done safely. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6
Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions
Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up
Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Wash with plenty of water. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7
Handling and storage

7.1 Precautions for safe handling
Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities
Keep/Store only in original container. Protect against Frost
Hints on joint storage
Storage class (TRGS 510): 12

7.3 Specific end use(s)
Observe technical data sheet. Observe instructions for use.

SECTION 8
Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.
8.1 Control parameters
Occupational exposure limit values

ETHANOL ; CAS No. :	64-17-5
Limit value type (country of origin) :	TRGS 900 (D)
Limit value :	200 ppm / 380 mg/m3
Peak limitation :	4(II)
Remark :	Y
Version :	29.03.2019
2-BUTOXYETHANOL ; CAS No. :	111-76-2
Limit value type (country of origin) :	TRGS 900 (D)
Limit value :	10 ppm / 49 mg/m3
Peak limitation :	2(II)
Remark :	H,Y
Version :	29.03.2019
Limit value type (country of origin) :	STEL (EC)
Limit value :	50 ppm / 246 mg/m3
Remark :	Skin
Version :	20.06.2019
Limit value type (country of origin) :	TWA (EC)
Limit value :	20 ppm / 98 mg/m3
Remark :	Skin
Version :	20.06.2019
AMMONIA, ANHYDROUS ; CAS No. :	7664-41-7
Limit value type (country of origin) :	TRGS 900 (D)
Limit value :	20 ppm / 14 mg/m3
Peak limitation :	2(I)
Remark :	Y
Version :	29.03.2019
Limit value type (country of origin) :	STEL (EC)
Limit value :	50 ppm / 36 mg/m3
Version :	20.06.2019
Limit value type (country of origin) :	TWA (EC)
Limit value :	20 ppm / 14 mg/m3
Version :	20.06.2019

Biological limit values

2-BUTOXYETHANOL ; CAS No. : 111-76-2	
Limit value type (country of origin) :	TRGS 903 (D)
Parameter :	Butoxy acetic acid / Urine (U) / At long term exposure: after several previous shifts
Limit value :	100 mg/l
Version :	29.03.2019
Limit value type (country of origin) :	TRGS 903 (D)
Parameter :	Butoxy acetic acid / Urine (U) / End of exposure or end of shift ; At long term exposure: after several previous shifts
Limit value :	150 mg/g Kr
Version :	29.03.2019

DNEL-/PNEC-values
DNEL/DMEL

Limit value type :	DNEL worker (local) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	246 mg/m3
Limit value type :	DNEL worker (systemic) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	98 mg/m3
Limit value type :	DNEL worker (systemic) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	663 mg/m3
Limit value type :	DNEL worker (systemic) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	75 mg/kg
Limit value type :	DNEL worker (systemic) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Exposure route :	Dermal
Exposure frequency :	Short-term
Limit value :	89 mg/kg
Limit value type :	DNEL worker (local) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	1900 mg/m3
Limit value type :	DNEL worker (systemic) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	950 mg/m3
Limit value type :	DNEL worker (systemic) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	343 mg/kg

PNEC

Limit value type :	PNEC (Aquatic, freshwater) (ETHANOL ; CAS No. : 64-17-5)
Limit value :	0,96 mg/l
Limit value type :	PNEC (Aquatic, marine water) (ETHANOL ; CAS No. : 64-17-5)
Limit value :	0,79 mg/l
Limit value type :	PNEC (Sediment, freshwater) (ETHANOL ; CAS No. : 64-17-5)
Limit value :	3,6 mg/l
Limit value type :	PNEC (Sediment, marine water) (ETHANOL ; CAS No. : 64-17-5)
Limit value :	2,9 mg/kg
Limit value type :	PNEC (Soil) (ETHANOL ; CAS No. : 64-17-5)
Limit value :	0,63 mg/l
Limit value type :	PNEC (Secondary poisoning) (ETHANOL ; CAS No. : 64-17-5)
Limit value :	0,72 mg/kg
Limit value type :	PNEC (Sewage treatment plant) (ETHANOL ; CAS No. : 64-17-5)
Limit value :	580 mg/l
Limit value type :	PNEC (Aquatic, freshwater) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Limit value :	8,8 mg/l
Limit value type :	PNEC (Aquatic, marine water) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Limit value :	0,88 mg/l
Limit value type :	PNEC (Sediment, freshwater) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Limit value :	34,6 mg/kg
Limit value type :	PNEC (Soil) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Limit value :	2,33 mg/kg
Limit value type :	PNEC (Sewage treatment plant) (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Limit value :	463 mg/l

8.2 Exposure controls
Personal protection equipment
Eye/face protection

Wear suitable safety goggles in case of splash.
Suitable eye protection
EN 166.

Skin protection
Hand protection

Wear protective gloves in case of longer lasting skin contact.
Suitable gloves type: EN 374.
Suitable material: NBR (Nitrile rubber)
Breakthrough time (maximum wearing time): 480 min.
Thickness of the glove material: 0.4 mm
Remark: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values
Suitable respiratory protection apparatus
Combination filtering device (EN 14387) Type : A
Remark
Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

General health and safety measures
Do not put any product-impregnated cleaning rags into your trouser pockets. Do not put any product-impregnated cleaning rags into your trouser pockets. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. P362+P364 - Take off contaminated clothing and wash it before reuse. P264 -Wash hands thoroughly after handling.

8.3 Additional information
No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

SECTION 9
Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	transparent
Odour:	characteristic

Safety relevant basis data			
Solidifying point:	(1013 hPa)	approx.	-8,5 °C
Initial boiling point and boiling range:	(1013 hPa)		72 °C
Flash point:			40 °C
Lower explosion limit:			not relevant
Upper explosion limit:			not relevant
Vapour pressure:	(50 °C)	<	1000 hPa
Density:	(20 °C)	approx.	0,97 g/cm3
pH:		approx.	10,8
Flow time:	(20 °C)	approx.	19 s DIN-cup 4 mm
Maximum VOC content (EC):			18,9 Wt %
Maximum VOC content (Switzerland):			18,9 Wt %

9.2 Other information
Not sustaining combustion

SECTION 10
Stability and reactivity

10.1 Reactivity
No information available.

10.2 Chemical stability
Under normal pressure: distillation without decomposition.

10.3 Possibility of hazardous reactions
Do not spray on naked flames or any incandescent material.

10.4 Conditions to avoid
No information available.

10.5 Incompatible materials
No information available.

10.6 Hazardous decomposition products
Nitrogen oxides (NOx). Carbon dioxide. Carbon monoxide

SECTION 11
Toxicological information

11.1 Information on toxicological effects
Acute effects
Acute oral toxicity

Parameter:	ATEmix calculated
Exposure route:	Oral
Effective dose:	>2000 mg/kg
Parameter:	LD50 (ETHANOL ; CAS No. : 64-17-5)
Exposure route:	Oral
Species:	Rat
Effective dose:	10470 mg/kg
Method:	OECD 401
Parameter:	LD50 (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Exposure route:	Oral
Species:	Rat
Effective dose:	1250 - 1490 mg/kg
Method:	OECD 401

Acute dermal toxicity

Parameter:	ATEmix calculated
Exposure route:	Dermal
Effective dose:	>2000 mg/kg
Parameter:	LD50 (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Exposure route:	Dermal
Species:	Rabbit
Effective dose:	841 mg/kg

Method:	OECD 402
Parameter:	LD50 (ETHANOL ; CAS No. : 64-17-5)
Exposure route:	Dermal
Species:	Rabbit
Effective dose:	20 g/kg

Acute inhalation toxicity

Parameter:	ATEmix calculated
Exposure route:	Inhalation
Effective dose:	>20 mg/l
Parameter:	LC50 (ETHANOL ; CAS No. : 64-17-5)
Exposure route:	Inhalation
Species:	Rat
Effective dose:	116,9 - 133,8 mg/l
Exposure time:	4 h
Method:	OECD 403
Parameter:	LC50 (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Exposure route:	Inhalation
Species:	Rat
Effective dose:	2 - 20 mg/l
Exposure time:	4 h

Irritant and corrosive effects
Primary irritation to the skin
No further relevant information available.

Irritation to eyes
No further relevant information available.

Sensitisation
In case of skin contact
No further relevant information available.

In case of inhalation
No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity
No further relevant information available.

Germ cell mutagenicity
No further relevant information available.

Reproductive toxicity
No further relevant information available.

STOT-single exposure
No further relevant information available.

STOT-repeated exposure
No further relevant information available.
Aspiration hazard
No further relevant information available.

11.2 Toxicokinetics, metabolism and distribution
There are no data available on the preparation/mixture itself.

11.3 Other adverse effects
Frequently or prolonged contact with skin may cause dermal irritation. Has degreasing effect on the skin. May be absorbed through the skin.

11.4 Additional information
Preparation not tested. The statement is derived from the properties of the single components.

SECTION 12
Ecological information

12.1 Toxicity
Aquatic toxicity
Acute (short-term) fish toxicity

Parameter:	LC50 (ETHANOL ; CAS No. : 64-17-5)
Species:	Pimephales promelas (fathead minnow)
Evaluation parameter:	Acute (short-term) fish toxicity
Effective dose:	14,2 g/l
Exposure time:	96 h
Parameter:	LC50 (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Species:	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter:	Acute (short-term) fish toxicity
Effective dose:	1474 mg/l
Exposure time:	96 h
Method:	OECD 203
Parameter:	LC50 (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Species:	Daphnia magna (Big water flea)
Evaluation parameter:	Acute (short-term) daphnia toxicity
Effective dose:	1815 mg/l
Exposure time:	24 h
Method:	DIN 38412 / part 11
Parameter:	LC50 (ETHANOL ; CAS No. : 64-17-5)
Species:	Fish
Evaluation parameter:	Chronic (long-term) fish toxicity
Effective dose:	9164 - 14536 mg/l
Exposure time:	200 h
Parameter:	LC50 (ETHANOL ; CAS No. : 64-17-5)
Species:	Daphnia
Evaluation parameter:	Chronic (long-term) daphnia toxicity
Effective dose:	1806 mg/l
Exposure time:	10 d
Parameter:	LC50 (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Species:	Daphnia magna (Big water flea)
Evaluation parameter:	Chronic (long-term) daphnia toxicity
Effective dose:	297 mg/l
Exposure time:	21 d
Method:	OECD 211

Acute (short-term) daphnia toxicity

Parameter:	EC50 (ETHANOL ; CAS No. : 64-17-5)
Species:	Daphnia
Evaluation parameter:	Acute (short-term) daphnia toxicity
Effective dose:	5012 mg/l
Exposure time:	48 h

Chronic (long-term) daphnia toxicity

Parameter:	NOEC (ETHANOL ; CAS No. : 64-17-5)
Species:	Daphnia
Evaluation parameter:	Chronic (long-term) daphnia toxicity
Effective dose:	2 - 9,6 mg/l
Exposure time:	10 d
Parameter:	NOEC (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Species:	Brachydanio rerio (zebra-fish)
Evaluation parameter:	Chronic (long-term) fish toxicity
Effective dose:	>100 mg/l
Exposure time:	21 d
Method:	OECD 204
Parameter:	NOEC (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Species:	Daphnia magna (Big water flea)
Evaluation parameter:	Chronic (long-term) daphnia toxicity
Effective dose:	100 mg/l
Exposure time:	21 d

Method:	OECD 211
Parameter:	NOEC (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Species:	Algae
Effective dose:	286 mg/l
Exposure time:	72 h
Method:	OECD 201

Acute (short-term) algae toxicity

Parameter:	EC50 (ETHANOL ; CAS No. : 64-17-5)
Species:	Chlorella vulgaris
Evaluation parameter:	Acute (short-term) fish toxicity
Effective dose:	675 mg/l
Exposure time:	4 d
Method:	OECD 201
Parameter:	EC50 (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Species:	Algae
Effective dose:	1840 mg/l
Exposure time:	72 h
Method:	OECD 201

Bacteria toxicity

Parameter:	EC50 (ETHANOL ; CAS No. : 64-17-5)
Species:	Bacteria toxicity
Effective dose:	5,8 g/l
Exposure time:	4 h

12.2 Persistence and degradability
According to the recipe, contains no AOX.
Biodegradation

Parameter:	Biodegradation (ETHANOL ; CAS No. : 64-17-5)
Inoculum:	Biodegradation
Evaluation parameter:	Aerobic
Degradation rate:	approx. 84 %
Test durarion:	20 d
Evaluation:	Readily biodegradable (according to OECD criteria).
Parameter:	Biodegradation (2-BUTOXYETHANOL ; CAS No. : 111-76-2)
Inoculum:	Biodegradation
Degradation rate:	88 %
Test durarion:	20 d

12.3 Bioaccumulative potential
No indication of bioaccumulation potential.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects
No information available.

12.7 Additional ecotoxicological information
After neutralisation, reduction in toxic effects is observed.

SECTION 13
Disposal considerations

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. List of proposed waste codes/waste designations in accordance with EWC

13.1 Waste treatment methods
Product/Packaging disposal
Waste codes/waste designations according to EWC/AVV

Waste code product
07 06 01* - aqueous washing liquids and mother liquors
20 01 29* - detergents containing dangerous substances.
Waste code packaging
15 01 02 - plastic packaging.
Waste treatment options
Appropriate disposal / Package
Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

13.2 Additional information
These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

SECTION 14
Transport information

14.1 UN-Number
No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name
No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)
No dangerous good in sense of these transport regulations.

14.4 Packing group
No dangerous good in sense of these transport regulations.

14.5 Environmental hazards
No dangerous good in sense of these transport regulations.

14.6 Special precautions for user
None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
No transport as bulk according to IBC Code.

SECTION 15
Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU legislation
Authorisations and/or restrictions on use
Restrictions on use
Use restriction according to REACH annex XVII, no. : 40
Restrictions of occupation
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Other regulations (EU)
Labelling for contents according to regulation (EC) No. 648/2004
None
National regulations
AT: Labelling according to Austrian regulations (Chemikaliengesetz/ChemV).
CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.
Störfallverordnung
Category : P5b FLAMMABLE LIQUIDS
Technische Anleitung Luft (TA-Luft)
Weight fraction (Number 5.2.5. I) : < 5 %
Weight fraction (Number 5.2.4. III) : < 1 %
Water hazard class (WGK)
Classification according to AwSV - Class : 1 (Slightly hazardous to water)

15.2 Chemical safety assessment
For this substance a chemical safety assessment has not been carried out.

SECTION 16
Other information

16.1 Indication of changes
03. Hazardous ingredients · 08. Occupational exposure limit values · 08. DNEL/DMEL · 08. PNEC · 15. Restrictions on use · 15. Technische Anleitung Luft (TA-Luft) · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)
AOX: adsorbierbare organisch gebundene Halogene
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society) CLP: Verordnung (EG) Nr. 1272/2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)
EAK / AVV: europäischer Abfallartenkatalog / Abfallverzeichnis-Verordnung
ECHA: Europäische Chemikalienagentur (European Chemicals Agency)
EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)
GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien (Globally Harmonized System of Classifiaction and Labelling of Chemicals)
IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)
ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)
IMDG: Gefahrgutkennzeichnung für gefährliche Güter im Seeschiffverkehr (International Maritime Code for Dangerous Goods)
RID: Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr (Règlement concernant le transport international ferroviaire de marchandises dangereuses)
TRGS: Technische Regel für den Umgang mit Gefahrstoffen
VbF: Verordnung über brennbare Flüssigkeiten
VOC: flüchtige organische Verbindung (volatile organic compound)
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

16.3 Key literature references and sources for data
DGUV: GESTIS-Stoffdatenbank
ECHA: Classification And Labelling Inventory
ECHA: Pre-registered Substances
ECHA: Registered Substances EC_Safety Data Sheet of Suppliers
ESIS: European Chemical Substances Information System GDL: Gefahrstoffdatenbank der Länder UBA Rigoletto: Wassergefährdende Stoffe Regulation (EC) No. 1907/2006 of the European Parliament and of the Council Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

16.6 Training advice
None

16.7 Additional information
None

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.