



## Safety Data Sheet According to regulation (EC) No 1907/2006 (REACH)

Revision: 04/08/15  
Date of Print: 07/07/17  
Version: 3.0.0

### STAINEX-PROTECT

Supplier: Drizign Pty Ltd  
ABN 66 085 088 580  
43 Henderson Rd  
Clayton North Vic 3168  
Ph.: 61 3 9562 5244 Fax: 61 3 95625277  
Email: [contactus@drizign.com](mailto:contactus@drizign.com)

Emergency 24 Hour Telephone:

Poison Information Service: 13 11 26  
Fire Brigade: 000  
Police: 000

- 
1. **Identification:**  
Product Name: **STAINEX-PROTECT**  
Recommended Use: Washing and cleaning products
- 

2. **Hazard 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
- 

3. **Composition/information on ingredients:**

**Mixtures**

**Hazardous ingredients**

ETHANOL ; REACH registration No. : 01-2119457610-43-XXXX ; EC No. : 200-578-6; CAS No. : 64-17-5  
Weight Fraction : >1 – < 5 %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319  
2-(2-BUTOXYETHOXY)ETHANOL ; REACH registration No. : 01-2119475104-44-XXXX ; EC No. : 203-961-6; CAS No. : 112-34-5  
Weight fraction : >1 – < 5%  
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319  
BUTYL CELLOSOLVE ; REACH registration 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

**Additional information**

Full text of H- and EUH-phrases see Section 16.

#### 4. First aid measures:

##### 4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

##### After inhalation

Remove casually 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

No information available.

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

None

#### 5. Fire-fighting measures:

##### 5.1 Extinguishing media

##### Suitable extinguishing media

Water Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand. Nitrogen. Extinguishing blanket.

##### 5.2 Special hazards arising from the substance or mixture

##### Hazardous combustion products

Carbon dioxide (CO<sub>2</sub>) Carbon monoxide.

##### 5.3 Advice for firefighters.

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 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 (e.g. 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

#### 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 storage assembly

Storage class 9TRGS510): 12

##### 7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

#### 8. Exposure controls / personal protection

##### 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 : 500 ppm / 960 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 02.04.2014

##### 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. :112-34-5

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 10 ppm / 67 mg/m<sup>3</sup>



Peak limitation : 1,5(l)  
Remark : Y  
Version : 02.04.2014  
Limit value type (country of origin) : STEL ( EC )  
Limit value : 15 ppm / 101,2 mg/m<sup>3</sup>  
Version : 07.02.2006  
Limit value type (country of origin) : TWA ( EC )  
Limit value : 10 ppm / 67,5 mg/m<sup>3</sup>  
Version : 07.02.2006

**BUTYL CELLOSOLVE ; CAS No. : 111-76-2**

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 20 ppm / 98 mg/m<sup>3</sup>  
Peak limitation : 4(II)  
Remark : H,Y  
Version : 02.04.2014  
Limit value type (country of origin) : STEL ( EC )  
Limit value : 50 ppm / 246 mg/m<sup>3</sup>  
Remark : H  
Version : 08.06.2000  
Limit value type (country of origin) : TWA ( EC )  
Limit value : 20 ppm / 98 mg/m<sup>3</sup>  
Remark : H  
Version : 08.06.2000

**Biological limit values**

**BUTYL CELLOSOLVE ; 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 : 31.03.2004

**DNEL/DMEL and PNEC values**

**DNEL/DMEL**

Limit value type : DNEL worker (local) ( ETHANOL ; CAS No. : 64-17-5 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1900 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( ETHANOL ; CAS No. : 64-17-5 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 950 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( ETHANOL ; CAS No. : 64-17-5 )  
Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 343 mg/kg  
Limit value type : DNEL worker (local) ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 67,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 101,2 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 67,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( 2-(2-BUTOXYETHOXY)ETHANOL ;



Exposure route :	CAS No. : 112-34-5 )
Exposure frequency :	Dermal
Limit value :	Long-term (repeated)
Limit value type :	20 mg/kg
	DNEL worker (local) ( BUTYL CELLOSOLVE ;
	CAS No. : 111-76-2 )
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	246 mg/m <sup>3</sup>
Limit value type :	DNEL worker (systemic) ( BUTYL CELLOSOLVE ;
	CAS No. : 111-76-2 )
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	98 mg/m <sup>3</sup>
Limit value type :	DNEL worker (systemic) ( BUTYL CELLOSOLVE ;
	CAS No. : 111-76-2 )
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	663 mg/m <sup>3</sup>
Limit value type :	DNEL worker (systemic) ( BUTYL CELLOSOLVE ;
	CAS No. : 111-76-2 )
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	75 mg/kg
Limit value type :	DNEL worker (systemic) ( BUTYL CELLOSOLVE ;
	CAS No. : 111-76-2 )
Exposure route :	Dermal
Exposure frequency :	Short-term (acute)
Limit value :	89 mg/kg

## 8.2 Exposure controls

### Personal protective equipment

#### Eye / face protection



Wear suitable safety goggles in case of splash.

#### Suitable eye protection

Safety goggles acc. 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 exact break through time has to be requested from the protective glove manufacturer and limits have to be ensured.

#### Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values

#### Suitable respiratory protection apparatus

Combination filtering device EN 14387)

#### Remark

Observe the wear time 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 preparation 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.

## 9. Physical and chemical properties:

### 9.1 Information on basic physical and chemical physical and chemical properties

#### Safety relevant basis data

Physical state :	liquid		
Color :	Clear		
Odor :	characteristic		
<b>Safety relevant basis data</b>			
Boiling temperature / boiling range :	( 1013 hPa )	ca.	100 °C
Flash point :			69 °C
Lower explosion limit :			not applicable
Upper explosion limit :			not applicable
Vapor pressure :	( 50 °C )		not applicable
Density	( 20 °C )	ca.	0,965 g/cm <sup>3</sup>
Solvent separation test :	( 20 °C )		not applicable
pH value :		ca.	10.8
Flow time :	( 20 °C )		35
			DIN-cup 4 mm
Maximum VOC content (EC) :			7.8 Wt %
Maximum VOC content (Switzerland) :			11.7 Wt %

### 9.2 Other information

None

## 10. Stability and reactivity

### 10.1 Reactivity

No information available

### 10.2 Chemical stability

No information available

### 10.3 Possibility of hazardous reactions

No information available

### 10.4 Conditions to avoid

No information available

### 10.5 Incompatible materials

No information available

### 10.6 Hazardous decomposition products

No information available

## 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-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )
Exposure route :	Oral



Species : Mouse  
Effective dose : 5530 mg/kg  
Method : OECD 401  
Parameter : LD50 ( BUTYL CELLOSOLVE ; 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 ( ETHANOL ; CAS No. : 64-17-5 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 20 g/kg  
Parameter : LD50 ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 2764 mg/kg  
Method : OECD 402  
Parameter : LD50 ( BUTYL CELLOSOLVE ; CAS No. : 111-76-2 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 841 mg/kg  
Method : OECD 402

#### 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 ( BUTYL CELLOSOLVE ; CAS No. : 111-76-2 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 2 - 20 mg/l  
Exposure time : 4 h

#### 11.2 Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

#### 11.3 Other adverse effects

May be absorbed through the skin.

#### 11.4 Additional information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

## 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 ( 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-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5)
Species :	Lepomis macrochirus (Bluegill)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	1300 mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 ( BUTYL CELLOSOLVE ; 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 ( BUTYL CELLOSOLVE ; 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 ( BUTYL CELLOSOLVE ; 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
Parameter :	EC50( 2-(2-BUTOXYETHOXY)ETHANOL; CAS No. : 112-34-5)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	> 100 mg/l
Exposure time :	48 h
Method :	OECD 202

**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 ( BUTYL CELLOSOLVE ; 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 ( BUTYL CELLOSOLVE ; 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 ( BUTYL CELLOSOLVE ; 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-(2-BUTOXYETHOXY)ETHANOL; CAS No. : 112-34-5 )  
Species : *Scenedesmus subspicatus*  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 100 mg/l  
Exposure time : 48 h  
Method : OECD 201  
Parameter : EC50 ( BUTYL CELLOSOLVE ; 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  
Parameter : EC10( 2-(2-BUTOXYETHOXY)ETHANOL; CAS No. : 112-34-5 )  
Species : Bacteria toxicity  
Effective dose : > 1995 mg/l  
Exposure time : 30 min

### 12.2 Persistence and degradability

#### Biodegradation

Parameter : Biodegradation ( ETHANOL ; CAS No. : 64-17-5 )  
Inoculum : Biodegradation  
Evaluation parameter : Aerobic  
Effective dose : ca. 84 %  
Exposure time : 20 d  
Evaluation : Readily biodegradable (according to OECD criteria).  
Parameter : Biodegradation ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Inoculum : Biodegradation  
Effective dose : 90 - 100 %  
Exposure time : 14 d  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301E/ EEC 92/69/V, C.4-B  
Parameter : Biodegradation ( 2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5 )  
Inoculum : Biodegradation  
Effective dose : 90 - 100 %  
Exposure time : 8 d  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 302B/ ISO 9888/ EEC 92/69/V, C.9  
Parameter : Biodegradation ( BUTYL CELLOSOLVE ; CAS No. : 111-76-2 )  
Inoculum : Biodegradation  
Effective dose : 88 %  
Exposure time : 20 d

According to the recipe, contains no AOX. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3 Bio-accumulative 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 **Further ecological information**  
None
- 

13. **Disposal considerations**  
The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.
- 13.1 **Waste treatment methods**  
**Product/Packaging disposal**  
**Waste codes/ waste designations according to EWC/AVV**  
**Waste code product**  
20 01 29\* - detergents containing dangerous substances.  
**Waste code packaging**  
15 01 02 – plastic packaging  
**Waste treatment options**  
**Appropriate disposal / Package**  
Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.
- Additional information**  
These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.
- 

14. **Transport information**
- 14.1 **UN number**  
No dangerous good in sense of this transport regulation.
- 14.2 **UN proper shipping name**  
No dangerous good in sense of this transport regulation.
- 14.3 **Transport hazard class(es)**  
No dangerous good in sense of this transport regulation.
- 14.4 **Packing group**  
No dangerous goods in sense of this transport regulation.
- 14.5 **Environmental hazards**  
No dangerous goods in sense of this transport regulation.
- 14.6 **Special precautions for user**  
None
- 

15. **Regulatory information**
- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**EU legislation**  
**Other regulation (EU)**  
**Restrictions of occupations**  
Observe employment restrictions under the maternity protection directive (92/85/EEC) for expectant or nursing mothers.  
**Labelling for contents according to regulation (EC) No. 648/2004**  
5 - 15 % aliphatic hydrocarbons  
15-30 % non-ionic surfactants
- National regulations**  
AT: Labelling according to Austrian regulations (Chemikaliengesetz/ChemV).  
CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.
- Water hazard class (WGK)**  
Class : 1 (slightly hazardous to water) Classification according to VwVwS
- Other regulations, restrictions and prohibition regulations**  
**Betriebssicherheitsverordnung (BetrSichV)**  
No flammable liquid according to BetrSichV.
- 15.2 **Chemical safety assessment**  
For this substance a chemical safety assessment has not been carried out.
- 

16. **Other information**
- 16.1 **Indication of changes**  
None
- 16.2 **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)  
AOX: adsorbable organohalogens  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
CLP: Classification Labelling and Packaging (Regulation (EC) No. 1272/2008)  
EAK / AVV: europäischer Abfallschlüsselkatalog (european waste catalogue)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
IMDG: International Maritime Code for Dangerous Goods  
RCP: reciprocal calculation procedure  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
TRGS: Technische Regel für den Umgang mit Gefahrstoffen  
VbF: Verordnung über brennbare Flüssigkeiten  
VOC: volatile organic compound  
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe  
WGK: Wassergefährdungsklasse (water hazardous class)

**16.3 Key literature references and sources for data**

DGUV: GESTIS-Stoffdatenbank  
ECHA: Classification And Labelling Inventory  
ECHA: 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

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]  
Classification according to Regulation (EC) No. 1272/2008 [CLP]**

None

**16.5 Relevant R-, H- and EUH-phrases (number and full text)**

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

---

**16.6 Training advice**  
None

---

The above information describes exclusively the safety requirements of the products and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product names 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 necessary valid for the new made-up material.

**END OF DOCUMENT**

---



