



RAVENOL TTC Premix -40°C Protect C11



EMPFEHLUNGEN VW TL 774-C (ENTSPRICHT G11) | MAN 324NF | AFNOR R15-601 (FRANKREICH) | BS 6580 (GB) | CUNA NC 956-16 (ITALIEN) | JIS K 2234 (JAPAN) | O NORM V 5123 (ÖSTERREICH) | UNE 25-361 (SPANIEN) | ASTM D1384 | ASTM D 2570 | ASTM D2809 | ASTM D3306 TYPE 1 | ASTM D4985 | ASTM D6210 TYP I-FF | SAE J1034 | CHRYSLER MS-7170 | FIAT 9.55523 | FIAT PARAFILU 11 | FORD WSS-M97B51-A1 | IVECO 18-1830 | SUZUKI

ART.-NR. 1410105

1,5 L | 1410105-150
5 L | 1410105-005
10 L | 1410105-010
20 L | 1410105-020
20 L | 1410105-B20
1000 L | 1410105-700

RAVENOL TTC Premix -40°C Protect C11 ist ein anwendungsfertiges, bereits mit Wasser vorgemischtes auf Ethylenglykol aufgebautes und bewährtes Kühlerschutzmittel, das keine Phosphate, Nitrite und Amine enthält. Das Produkt ist auf Basis einer bewährten Inhibitor Entwicklung als Langzeit-Kühlerfrostschutz formuliert.

Entscheidend für die Qualität eines Kühlerschutzmittels ist nicht mehr nur die Frostschutzwirkung (die bei einem Produkt auf Ethylenglykol-Basis automatisch vorhanden ist), sondern die Rostschutzwirkung.

Deshalb unterwerfen die Automobilhersteller die Kühlerfrostschutzmittel langwierigen Korrosions- und Kavitationstests.

Anwendungshinweis

RAVENOL TTC Premix -40°C Protect C11 ist eine bereits vorgemischte Kühlflüssigkeit mit Frost- und Rostschutzwirkung für den Ganzjahreseinsatz in KFZ-Motoren.

Auch im Sommer muss ausreichend Kühlerschutzmittel im Kühlwasser enthalten sein, um guten Korrosions- und Überhitzungsschutz zu gewährleisten.

Gebrauchsanweisung: Fehlmengen im Kühler mit **RAVENOL TTC Premix -40°C Protect C11** auffüllen.

Eigenschaften

RAVENOL TTC Premix -40°C Protect C11 bietet:

- Ausgezeichnete Eignung für Leichtmetall-Motoren
- Gute Reservealkalität
- Optimaler Korrosionsschutz durch hochwertige Korrosionszusätze
- Elastomerverträglichkeit mit den in Kühlern von KFZ verwendeten Elastomeren



Eigenschaften	Einheit	Daten	Prüfung nach
Dichte bei 20°C	kg/m ³	1080	EN ISO 12185
Farbe		gelb-grün fluoreszent	visuell
Flammpunkt	°C	142	-
pH-Wert bei 20°C		7,8	ASTM D 1287
Gefrierpunkt	°C	-40°C	ASTM D 1177

Alle Angaben entsprechen nach bestem Wissen dem derzeitigen Stand der Erkenntnisse und unserer Entwicklung. Änderungen bleiben vorbehalten. Alle Bezugnahme auf DIN-Normen dienen nur der Warenbeschreibung und stellen keine Garantie dar. Bei vorliegenden Problemfällen technische Beratung anfordern.

Stand: 13. Januar 2020



Revision date: 17-Aug-2018 Version: 3 Print date: 17-Aug-2018

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

1.1. Product identifier

Trade name/designation:

RAVENOL TTC Trad. Techn. Coolant Premix -40°C

Article No.:

1410105

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

Use of the substance/mixture:

Antifreeze agent

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Ravensberger Schmierstoffvertrieb GmbH

Jöllenbecker Str. 2

33824 Werther

D

Telephone: +49 5203 9719 0

Telefax: +49 5203 9719 40

E-mail: kontakt@ravenol.de

Website: www.ravenol.de

E-mail (competent person): technik@ravenol.de

* **1.4. Emergency telephone number**

Abt. Technik (Produktsicherheit), 24h: +49 700 24 112 112 (Company ID: RAV) (outside USA/Canada)
011 49 700 24 112 112 (Company ID: RAV) (inside USA/Canada), +49 5203 9719 0 (Mo-Do 7.30 Uhr -
16.30 Uhr, Fr 7.30 Uhr - 13.15 Uhr) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
STOT-repeated exposure (STOT RE 2)	H373: May cause damage to organs through prolonged or repeated exposure. (...)	

* **2.2. Label elements**

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

Hazard pictograms:



GHS08

Health hazard

Signal word: Warning

Hazard components for labelling:

Dipotassium tetraborate; ethane-1,2-diol

hazard statements for health hazards

H373 May cause damage to organs through prolonged or repeated exposure. (kidneys, oral)

Supplemental Hazard information (EU): -

Precautionary statements

P102 Keep out of reach of children.



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Precautionary statements Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

Precautionary statements Response

P314 Get medical advice/attention if you feel unwell.

Precautionary statements Disposal

P501.2 Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 107-21-1 EC No.: 203-473-3 REACH No.: 01-2119456816-28-0000	ethane-1,2-diol Acute Tox. 4, STOT RE 2 Warning H302-H373	30 - < 60 Wt %
CAS No.: 12045-78-2 EC No.: 215-575-5 REACH No.: 01-2119970730-37	Dipotassium tetraborate Repr. 2 H361d	0.1 - < 4 Wt %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

In case of respiratory tract irritation, consult a physician. Provide fresh air. Get immediate medical advice/attention.

In case of skin contact:

In case of skin irritation, consult a physician. After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Causes serious eye irritation.

After ingestion:

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. If unconscious place in recovery position and seek medical advice. Harmful if swallowed. May cause damage to organs.

Self-protection of the first aider:

First aider: Pay attention to self-protection! Use personal protection equipment. No direct artificial respiration to be given by first aider.

4.2. Most important symptoms and effects, both acute and delayed

Reference to other sections:
 SECTION 2: Hazards identification
 SECTION 11: Toxicological information

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

Observe risk of aspiration if vomiting occurs. Treat symptomatically.



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SECTION 5: Firefighting measures

- * **5.1. Extinguishing media**
Suitable extinguishing media:
alcohol resistant foam
Carbon dioxide (CO₂)
Extinguishing powder
Use water spray jet to protect personnel and to cool endangered containers.
Unsuitable extinguishing media:
Full water jet
- 5.2. Special hazards arising from the substance or mixture**
In case of fire may be liberated: Gases/vapours, toxic. The product itself does not burn.
Hazardous combustion products:
Nitrogen oxides (NO_x) Carbon monoxide Carbon dioxide (CO₂)
- 5.3. Advice for firefighters**
In case of fire: Wear self-contained breathing apparatus.
- 5.4. Additional information**
Co-ordinate fire-fighting measures to the fire surroundings. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

- * **6.1. Personal precautions, protective equipment and emergency procedures**
6.1.1. For non-emergency personnel
Personal precautions:
Use personal protection equipment. Special danger of slipping by leaking/spilling product. Do not breathe vapour. Remove all sources of ignition.
- 6.1.2. For emergency responders**
Personal protection equipment:
Use appropriate respiratory protection.
- * **6.2. Environmental precautions**
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Immediately inform the responsible authorities in entry into waterways or sewage system.
- * **6.3. Methods and material for containment and cleaning up**
For containment:
Prevent spread over a wide area (e.g. by containment or oil barriers).
For cleaning up:
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Other information:
Treat the recovered material as prescribed in the section on waste disposal.
- 6.4. Reference to other sections**
SECTION 7: Handling and storage
SECTION 8: Exposure controls/personal protection
SECTION 13: Disposal considerations
- * **6.5. Additional information**
Clear spills immediately.

SECTION 7: Handling and storage

- * **7.1. Precautions for safe handling**
Protective measures
Advices on safe handling:
Harmful if swallowed. Do not breathe gas/vapour. Keep out of reach of children. Wash hands before breaks and after work. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide adequate ventilation. Vapours are heavier than air.
Fire prevent measures:
No special fire protection measures are necessary.



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Measures to prevent aerosol and dust generation:

Provide adequate ventilation.

Environmental precautions:

See section 8.

Advices on general occupational hygiene

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing.

* **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures and storage conditions:

Keep locked up and out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Requirements for storage rooms and vessels:

Keep/Store only in original container. Shafts and sewers must be protected from entry of the product.

Hints on storage assembly:

Do not store together with: Food and feedingstuffs

Storage class: 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

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

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

Antifreeze / Coolant

SECTION 8: Exposure controls/personal protection

* **8.1. Control parameters**

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	ethane-1,2-diol CAS No.: 107-21-1	① 10 ppm (26 mg/m ³) ② 20 ppm (52 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
IOELV (EU)	ethane-1,2-diol CAS No.: 107-21-1	① 20 ppm (52 mg/m ³) ② 40 ppm (104 mg/m ³)
TRGS 900 (DE)	Dipotassium tetraborate CAS No.: 12045-78-2	① 0.5 mg/m ³ ② 1 mg/m ³ ⑤ einatembare Fraktion

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
ethane-1,2-diol CAS No.: 107-21-1	35 mg/m ³	① DNEL worker ② DNEL acute inhalative (local)
Dipotassium tetraborate CAS No.: 12045-78-2	7.8 mg/cm ²	① DNEL worker ② DNEL acute inhalative (systemic)
Dipotassium tetraborate CAS No.: 12045-78-2	3.9 mg/m ³	① DNEL Consumer ② DNEL acute inhalative (systemic)
Dipotassium tetraborate CAS No.: 12045-78-2	13.6 mg/m ³	① DNEL worker ② DNEL acute inhalative (local)



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Substance name	DNEL value	① DNEL type ② Exposure route
Dipotassium tetraborate CAS No.: 12045-78-2	13.6 mg/m ³	① DNEL Consumer ② DNEL acute inhalative (local)
Dipotassium tetraborate CAS No.: 12045-78-2	7.8 mg/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)
Dipotassium tetraborate CAS No.: 12045-78-2	3.9 mg/m ³	① DNEL Consumer ② DNEL long-term inhalative (systemic)
Dipotassium tetraborate CAS No.: 12045-78-2	13.6 mg/m ³	① DNEL worker ② DNEL long-term inhalative (local)
Dipotassium tetraborate CAS No.: 12045-78-2	13.6 mg/m ³	① DNEL Consumer ② DNEL long-term inhalative (local)
Dipotassium tetraborate CAS No.: 12045-78-2	367.7 mg/kg bw/day	① DNEL worker ② DNEL long-term dermal (systemic)
Dipotassium tetraborate CAS No.: 12045-78-2	185.6 mg/kg bw/day	① DNEL Consumer ② DNEL long-term dermal (systemic)
Dipotassium tetraborate CAS No.: 12045-78-2	0.92 mg/kg bw/day	① DNEL Consumer ② DNEL short-term oral (acute)
Dipotassium tetraborate CAS No.: 12045-78-2	0.92 mg/kg bw/day	① DNEL Consumer ② DNEL long-term oral (repeated)

Substance name	PNEC Value	① PNEC type
Dipotassium tetraborate CAS No.: 12045-78-2	2.02 mg/l	① PNEC aquatic, freshwater
Dipotassium tetraborate CAS No.: 12045-78-2	2.02 mg/l	① PNEC aquatic, marine water
Dipotassium tetraborate CAS No.: 12045-78-2	13.7 mg/l	① PNEC aquatic, intermittent release
Dipotassium tetraborate CAS No.: 12045-78-2	10 mg/l	① PNEC sewage treatment plant (STP)

* **8.2. Exposure controls**

8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

8.2.2. Personal protection equipment

Eye/face protection:

During transfer: Eye glasses with side protection

Skin protection:

Hand protection

Suitable material: NBR (Nitrile rubber), PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber)

Thickness of the glove material: $\geq 0,3$ mm

Breakthrough time (maximum wearing time) 480 min

Breakthrough times and swelling properties of the material must be taken into consideration.

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.

Tested protective gloves must be worn: EN ISO 374

Suitable protective clothing: Protective clothing

Respiratory protection:

Usually no personal respiratory protection necessary.

Thermal hazards:

No data available.

Other protection measures:

Wash hands before breaks and after work.



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8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: light yellow

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	7.8	20 °C		
Melting point	<i>not determined</i>			
Freezing point	-40 °C			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Relative density	1,080 kg/m ³	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	completely miscible			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

* **10.1. Reactivity**

No known hazardous reactions. hygroscopic.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

responds with: Oxidising agent, strong, Strong acid

10.4. Conditions to avoid

To avoid thermal decomposition do not overheat.

10.5. Incompatible materials

Oxidising agent, strong
 Acid, concentrated

10.6. Hazardous decomposition products

The product is stable under storage at normal ambient temperatures.



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SECTION 11: Toxicological information

* 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
107-21-1	ethane-1,2-diol	LD₅₀ oral: 4,700 mg/kg (rat) LD₅₀ dermal: 10,600 mg/kg (canin)
12045-78-2	Dipotassium tetraborate	LD₅₀ oral: >2,500 mg/kg (Rat) Experimental data LD₅₀ dermal: >2,000 mg/kg (Rabbit) Experimental data

Acute oral toxicity:

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

Acute dermal toxicity:

No information available for acute dermal and inhalative toxicity.

Acute inhalation toxicity:

No information available for acute dermal and inhalative toxicity.

Skin corrosion/irritation:

No irritant effect.

Serious eye damage/irritation:

No irritant effect.

Respiratory or skin sensitisation:

No sensitizing effects known.

Germ cell mutagenicity:

No indications of human germ cell mutagenicity exist.

Carcinogenicity:

No indication of human carcinogenicity.

Reproductive toxicity:

No indications of human reproductive toxicity exist.

STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Additional information:

Data apply to the main component.

SECTION 12: Ecological information

* 12.1. Toxicity

CAS No.	Substance name	Toxicological information
107-21-1	ethane-1,2-diol	LC₅₀: 8,050 - 72,900 mg/l 4 d EC₅₀: >100 mg/l 2 d ErC₅₀: 6,500 - 13,000 mg/l 4 d NOEC: 72,860 mg/l -∞ h NOEC: 8,590 mg/l -∞ h
12045-78-2	Dipotassium tetraborate	LC₅₀: 74 mg/l 4 d LC₅₀: 133 mg/l 2 d (Daphnia magna (Big water flea)) NOEC: 16.6 mg/l 28 d

Aquatic toxicity:

The product has not been tested.

* 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
107-21-1	ethane-1,2-diol	Yes, rapidly	

Biodegradation:

Readily biodegradable. (OECD 301A)

The information about ecology refers to the main components.

Additional information:

The product has not been tested.



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* **12.3. Bioaccumulative potential**

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
107-21-1	ethane-1,2-diol	-1.93	
12045-78-2	Dipotassium tetraborate		0.1

12.4. Mobility in soil

No data available

* **12.5. Results of PBT and vPvB assessment**

CAS No.	Substance name	Results of PBT and vPvB assessment
107-21-1	ethane-1,2-diol	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
12045-78-2	Dipotassium tetraborate	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code packaging:

Remark:

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.



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Additional information:

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

Use restriction according to REACH annex XVII, no.:
ethanediol

15.1.2. National regulations

 **[DE] National regulations**

Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Source:

Self-classification (mixture; calculation rule).

Technische Regeln für Gefahrstoffe

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Informationen (BGI) 868
 Berufsgenossenschaftliche Regeln (BGR) 189, 190, 192, 195

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

15.3. Additional information

No data available

SECTION 16: Other information

* **16.1. Indication of changes**

1.4.	Emergency telephone number
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
5.1.	Extinguishing media
6.1.	Personal precautions, protective equipment and emergency procedures
6.2.	Environmental precautions
6.3.	Methods and material for containment and cleaning up
6.5.	Additional information
7.1.	Precautions for safe handling
7.2.	Conditions for safe storage, including any incompatibilities
8.1.	Control parameters
8.2.	Exposure controls
10.1.	Reactivity
11.1.	Information on toxicological effects
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes



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

16.2. Abbreviations and acronyms

See overview table at www.euphrac.eu

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3. Key literature references and sources for data

67/548/EEC - Dangerous Substances Directive

1999/45/EEC - Dangerous Preparations Directive

EC 1907/2006 - REACH Regulation

1272/2008 EC - Regulation on classification, labeling and packaging of substances and mixtures, and amending Directives 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006

Regulation (EC) No 1907/2006 (REACH), Annex II

European Chemicals Agency (ECHA), C & L classification and labeling inventory

European Chemicals Agency (ECHA), ECHA CHEM Registered substances

OECD The Global Portal to Information on Chemical Substances (ChemPortal)

Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA): GESTIS substance database and International limit values for chemical substances

Federal Environment Agency, Section IV 2.4: Documentation and Information Centre substances

hazardous to water Rigoletto (catalog substances hazardous to water)

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

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
STOT-repeated exposure (STOT RE 2)	H373: May cause damage to organs through prolonged or repeated exposure. (...)	

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

Hazard statements	
H302	Harmful if swallowed.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure. (...)

16.6. Training advice

No data available

16.7. Additional information

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.

* Data changed compared with the previous version