Dr. Grogg Chemie AG
Gümligentalstrasse 83
CH-3066 Stettlen-Deisswil

Telefon 031 932 11 66
info@grogg-chemie.ch
www.grogg-chemie.ch

COVER SHEET FOR THE SAFETY DATA SHEET

Date of creation of the cover page: 23.11.2026
Cover page version: 1.0
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Number of pages, including the cover page: 14

Item number: G990

Trade name: G990 Xylene pure

Supplier:
Dr. Grogg Chemie AG
Gümligentalstrasse 83
CH-3066 Stettlen-Deisswil
info@grogg-chemie.ch
Tel. +41 31 932 11 66

Emergency number:
24-hour emergency number: 145
Help with poisoning. Tox Info Suisse provides free medical advice round the clock in cases of poisoning or suspected poisoning.

Tox Info Suisse
Freiestrasse 16
8032 Zürich
Tel. +41 (0) 44 251 51 51
www.toxinfo.ch

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SECTION 1: Identification of the product and of the company

· ***1.1 Product identity***

· ***Trade name:*** ***Xylene (mixture of isomers)***

· ***Article number:*** 253
· ***EC number:***
905-588-0

· ***REACH Registration number*** 01-2119488216-32
· ***1.2 Relevant uses of the product and uses advised against***
· ***Sector of Use***
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU6a Manufacture of wood and wood products
SU11 Manufacture of rubber products
SU12 Manufacture of plastics products, including compounding and conversion
SU24 Scientific research and development
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
· ***Product category***
PC9a Coatings and paints, thinners, paint removers
PC19 Intermediate
· ***Application of the product*** Solvents
· ***Uses advised against*** Any use not in accordance with the intended purpose

· ***1.3 Details of the supplier of the safety data sheet***
· ***Manufacturer/Supplier:***
Thommen-Furler AG
Industriestrasse 10
CH-3295 Rüti bei Büren (BE)
Tel. +41 32 352 08 00
sdb@thommen-furler.ch

· ***Information department:*** Product Management department
· ***1.4 Emergency telephone number:***
Toxicological information Swiss center (available 24h/7d): emergency call 145
or +41 (0) 44 251 51 51

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SECTION 2: Hazard(s) identification

· ***2.1 Classification of the substance or mixture***
· ***Classification according to Regulation (EC) No 1272/2008***



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

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Acute Tox. 4	H312 Harmful in contact with skin.
Acute Tox. 4	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3	H335 May cause respiratory irritation.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

· ***2.2 Label elements***
· ***Labelling according to Regulation (EC) No 1272/2008***
The substance is classified and labeled according to the CLP regulation.
· ***Hazard pictograms***



GHS02 GHS07 GHS08

· ***Signal word*** Danger
· ***Hazard statements***

H226	Flammable liquid and vapour.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H412	Harmful to aquatic life with long lasting effects.

· ***Precautionary statements***

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 3)

(Contd. of page 2)

· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.

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SECTION 3: Composition/information on ingredients

· ***3.1 Chemical characterization: Substances***
· ***CAS No. Description***
reaction mass of ethylbenzene and xylene
· ***Identification number(s)*** 1330-20-7
· ***EC number:*** 905-588-0
· ***Additonal information:***
Xylene; CAS 1330-20-7; EC 215-535-7; H226-3, H304-1, H312-4, H315-2, H319-2, H332-4, H335-3, H373-2, H412-3; ≥ 75%
Ethylbenzene; CAS 100-41-4, CE 202-849-4 ; H225-2, H304-1, H315-2, H319-2, H332-4, H335-3, H373-2, H412-3 ; ≤ 25 %
Toluene; CAS 108-88-3, EC 203-625-9; H225-2, H315-2, H304-1, H336-3, H373-2, H361d-2; < 2
Cumene ; CAS 98-82-2, EC 202-704-5 ; H226-3, H304-1, H335-3, H350-1B, H411-2 ; < 0.1 %

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SECTION 4: First-aid measures

· ***4.1 Description of first aid measures***
· ***General information:***
Personal protection for the First Aider.
Take affected persons out into the fresh air.
Position and transport stably on side.
Seek immediate medical advice.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· ***After inhalation:***
Supply fresh air.
Do not use mouth to mouth or mouth to nose resuscitation.
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
· ***After skin contact:***
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
· ***After eye contact:*** Seek immediate medical advice.
· ***After swallowing:***
Immediately wash out mouth with water and drink about 2 glasses of water.
Do not induce vomiting; call for medical help immediately. Never give anything by mouth to an unconscious person.
In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation.
· ***4.2 Most important symptoms and effects, both acute and delayed***
· ***Danger***
Danger of impaired breathing.
Danger of disturbed cardiac rhythm.
Death by aspiration.
Cough, pain

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· ***4.3 Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

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SECTION 5: Fire-fighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:***
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· ***For safety reasons unsuitable extinguishing agents:*** Water with full jet
· ***5.2 Special hazards arising from the substance or mixture***
Flammable. Hazardous decomposition products: Section 10.
In case of inadequate ventilation and/or during use, formation of explosive/highly flammable vapour/air mixtures possible.
Solvent vapours are heavier than air and spread over the ground.The presence of flammable substances or mixtures is to be expected in areas that are not covered byventilation, e.g. unventilated low-lying areas such as pits, ducts, cellars and shafts.shafts.
· ***5.3 Advice for firefighters***
· ***Protective equipment:***
Wear self-contained respiratory protective device.
Persons must wear appropriate personal protective equipment including chemical protective gloves. If there is a risk of extensive contact from spillages, a chemical protective suit must be worn. Self-contained breathing apparatus must be worn in the vicinity of fire in confined spaces. Choose fire protective clothing that complies with the relevant standards (e.g. in Europe: EN 469).
Mouth respiratory protective device.

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SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Wear protective equipment. Keep unprotected persons away.
· ***For non-emergency personnel***
Ensure adequate ventilation. Use personal protective equipment.
Remove all sources of ignition if safe to do so.
· ***For emergency responders*** Use personal protective equipment.
· ***6.2 Environmental precautions:*** Do not allow to enter sewers/ surface or ground water.
· ***6.3 Methods and material for containment and cleaning up:***
Absorb the liquid with an inert binder.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· ***6.4 Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling***
Work only in fume cabinet.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.

(Contd. on page 5)

(Contd. of page 4)

· ***Information about protection against explosions and fires:***
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· ***7.2 Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
Do not allow to enter drains (danger of explosion).
Prevent any seepage into the ground.
Keep container tightly closed and dry
Provide solvent resistant, sealed floor.
Store in a well-ventilated place.
· ***Information about storage in one common storage facility:***
Store food and food additives separately from chemicals.
Separate from strongly oxidising substances of storage class 5.1A.
· ***Further information about storage conditions:*** Keep receptacle tightly sealed.
· ***Storage class:*** 3
· ***7.3 Specific end use(s)*** No further relevant information available.

*

SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***

· ***Components with limit values that require monitoring at the workplace:***	
reaction mass of ethylbenzene and xylene	
MAK (Switzerland)	Short-term value: 440 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm H B; VRT a breve terminelnalazione 8.7 mg.m-3 Soglia VRT a lungo terminelnalazione 0.1 mg.m-3 (ANSES Francia 2022)

· ***Ingredients with biological limit values:***	
reaction mass of ethylbenzene and xylene	
BAT (Switzerland)	2 g/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Biol. Parameter: Methylhippursäuren

· ***Additional information:*** The lists that were valid during the creation were used as basis.

· ***8.2 Exposure controls***
· ***Appropriate engineering controls*** No further data; see section 7.
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· ***Breathing equipment:***
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

(Contd. on page 6)

(Contd. of page 5)

· ***Protection of hands:***
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation


Protective gloves

· ***Material of gloves***
Protective gloves in accordance with standard EN 374
Fluororubber (FKM) (0.4 mm)
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
· ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Not suitable are gloves made of the following materials:***
Natural rubber, NR
Polychloroprene - CR
Nitrile rubber, NBR
Butyl rubber, BR
PVC gloves
· ***Eye protection:***
Tight-fitting safety goggles in accordance with EN 166


Tightly sealed goggles

· ***Body protection:***
chemical protective clothing EN 13832, EN 340, EN 14065
Protective work clothing
· ***Other***
Respiratory protection:
If ventilation is inadequate, wear breathing apparatus.
Gas filtering respirator (DIN EN 141). Combination filter device, filter device (full face mask or mouthpiece set) with filter: A,
Boiling point / boiling range: > 65 °C, colour: brown
· ***Limitation and supervision of exposure into the environment***
Use suitable containers to avoid contamination of the environment.
Prevent the product from entering the sewage system or surface and ground water.
LRV SR 814.318.142.1
71 Limit values:
1 The emission concentration of the substances listed in Number 72 must not exceed the following values
not exceed the following values:
Class 2 substances
with a mass flow of 2.0 kg/h or more 100 mg/m3
· ***Risk management measures***
An emergency shower must be available at the workplace.

(Contd. on page 7)

(Contd. of page 6)

Keep compressed air breathing apparatus or rebreathers (oxygen self-rescuers) ready for rescue.
Regular maintenance and inspection in accordance with the manufacturer's instructions.
An eye shower must be available at the workplace.
Vapours are heavier than air, also provide extraction on the floor!
Ensure good ventilation.
The above-mentioned classifications correspond to those of the ECHA Harmonised Classification of 02.12.2024

However, please note the following:

Foetotoxic effects were reported after inhalation exposure of mothers to mixed xylenes; altered enzyme activities were also observed in rat pups. Dermal application resulted in apparent changes in foetal enzyme activities, while oral treatment resulted in prenatal mortality, growth retardation and malformations, especially cleft palate.

Source Pubchem /NCBI

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Liquid
· **Color:**	Colorless
· **Odor:**	Characteristic
· **Odor threshold:**	Not determined.
· **Melting point/Melting range:**	-95--13 °C
· **Boiling point/Boiling range:**	139.6 °C
· **Flammability:**	Flammable.
· **Explosion limits:**	
· **Lower:**	0.8 Vol %
· **Upper:**	6.7 Vol %
· **Flash point:**	>23 °C
· **Auto igniting:**	432 °C
· **Decomposition temperature:**	Not determined.
· **pH-value:**	Not determined.
· **Viscosity:**	
· **Kinematic:**	Not determined.
· **Dynamic at 20 °C:**	0.61 mPas
· **Solubility in / Miscibility with**	
· **Water at 25 °C:**	0.146 g/l
· **Partition coefficient (n-octanol/water):**	0.49136
· **Vapor pressure at 20 °C:**	8 hPa
· **Density and/or relative density**	
· **Density at 20 °C:**	0.87 g/cm³
Not determined.	
· **Relative density**	Not determined.
· **Vapor density**	Not determined.

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Fluid

(Contd. on page 8)

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· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Not determined.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· **Molecular weight**	106.17 g/mol
· **Change in condition**	
· **Evaporation rate**	Not determined.

· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Flammable liquid and vapour.
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

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SECTION 10: Stability and reactivity

· **10.1 Reactivity** When heated, flammable vapours may be release
· **10.2 Chemical stability**
Under normal conditions (ambient temperature) ethanol is chemically stable.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** Forms flammable gases / fumes.
· **10.4 Conditions to avoid**
Do not heat - no flames, no sparks or other sources of ignition or conditions favouring static discharge. No smoking.
Do not drill, cut, grind, solder, braze, and weld etc. in the Ex-zone.
Prevent vapours from entering into drainage system, pits or cellars (danger of explosion).
· **10.5 Incompatible materials:** strong oxidising agents
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity:** Harmful in contact with skin or if inhaled.

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· **LD/LC50 values that are relevant for classification:**

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	21.7 mg/l (rat)

· **Primary irritant effect:**
· **on the skin:** Causes skin irritation.
· **on the eye:** Causes serious eye irritation.
· **Specific target organ toxicity - single exposure** May cause respiratory irritation.
· **Specific target organ toxicity - repeated exposure**
May cause damage to organs through prolonged or repeated exposure.
· **Aspiration hazard** May be fatal if swallowed and enters airways.
· **Additional toxicological information:**
· **OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.
· **11.2 Information on other hazards**
· **Endocrine disrupting properties** Substance is not listed.

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SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

LC50/96 h	26.7 mg/l (pimephales promelas)
LC50/24 h	0.8 mg/l (gammarus lacustris)

· **12.2 Persistence and degradability** biodegradable
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (Assessment by list): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
· **Waste disposal key:** 07 01 04

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· ***Uncleaned packagings:***
· ***Recommendation:*** Disposal must be made according to official regulations.

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SECTION 14: Transport information

· ***14.1 UN-Number***	
· ***ADR, IMDG, IATA***	UN1307
· ***14.2 UN proper shipping name***	
· ***DOT***	Xylenes
· ***ADR***	1307 XYLENES
· ***IMDG***	XYLENES, MARINE POLLUTANT
· ***IATA***	XYLENES
· ***14.3 Transport hazard class(es)***	
· ***ADR, IATA***	



· ***Class***	3 Flammable liquids
· ***Label***	3
· ***IMDG***	



· ***Class***	3 Flammable liquids
· ***Label***	3
· ***14.4 Packing group***	
· ***ADR, IMDG, IATA***	III
· ***14.5 Environmental hazards:***	
· ***Marine pollutant:***	Symbol (fish and tree)
· ***14.6 Special precautions for user***	Warning: Flammable liquids
· ***Hazard identification number (Kemler code):***	30
· ***EMS Number:***	F-E,S-D
· ***Stowage Category***	A
· ***14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code***	
· ***Transport/Additional information:***	
· ***ADR***	
· ***Limited quantities (LQ)***	5L
· ***Excepted quantities (EQ)***	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· ***Transport category***	3

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· ***Tunnel restriction code***	D/E
· ***IMDG***	
· ***Limited quantities (LQ)***	5L
· ***Excepted quantities (EQ)***	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· ***UN "Model Regulation":***	UN 1307 XYLENES, 3, III

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SECTION 15: Regulatory information

· ***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture***
822.115, Ordonnance sur la protection des jeunes travailleurs - OLT 5 and 822.115.2, DEFR Ordinance on dangerous work for young people are applicable.
· ***Sara***
· ***Section 355 (extremely hazardous substances):*** Substance is not listed.
· ***Section 313 (Specific toxic chemical listings):*** Substance is listed.
· ***Proposition 65***
· ***Chemicals known to cause cancer:*** Substance is not listed.
· ***Chemicals known to cause reproductive toxicity for females:*** Substance is not listed.
· ***Chemicals known to cause reproductive toxicity for males:*** Substance is not listed.
· ***Chemicals known to cause developmental toxicity:*** Substance is not listed.

· ***Carcinogenic categories***
· ***EPA (Environmental Protection Agency)*** I
· ***TLV (Threshold Limit Value)*** A4
· ***NIOSH-Ca (National Institute for Occupational Safety and Health)*** Substance is not listed.
· ***Labelling according to Regulation (EC) No 1272/2008***
The substance is classified and labeled according to the CLP regulation.
· ***Hazard pictograms***



GHS02 GHS07 GHS08

· ***Signal word*** Danger
· ***Hazard statements***
H226 Flammable liquid and vapour.
H312+H332 Harmful in contact with skin or if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.
· ***Precautionary statements***
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.

(Contd. on page 12)

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P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I***
Not subject to Directive 2012/18/EU (Seveso III)
Substance is not listed.
· ***Seveso category*** P5c FLAMMABLE LIQUIDS
· ***Qualifying quantity (tonnes) for the application of lower-tier requirements*** 5.000 t
· ***Qualifying quantity (tonnes) for the application of upper-tier requirements*** 50.000 t

· ***National regulations:***

· ***Water hazard class:*** Water hazard class 2 (Assessment by list): hazardous for water.

· ***Other regulations, limitations and prohibitive regulations***
· ***Additionnal informations according ChemRRV*** None.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· ***Department issuing SDS:*** Product Management department
· ***Contact:*** Product Management
· ***Abbreviations and acronyms:***
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety

(Contd. on page 13)

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OSHA: Occupational Safety & Health
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· **** Data compared to the previous version altered.***