

CERATIX 8563

Product code:

Version 1.1 SDB_REG_EU

Revision Date 06.12.2016

Print Date 07.12.2016

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

1.1 Product identifier

Trade name : CERATIX 8563

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

Use of the : Wax Additive
Substance/Mixture

1.3 Details of the supplier of the safety data sheet

Company : BYK-Cera bv
Danzigweg 23
7418 EN Deventer
Telephone : +31 881 220 300
Telefax : +31 881 220 600

Information : Regulatory Affairs
Telephone : +49 281 670-23532
Telefax : +49 281 670-23533
GHS.BYK@altana.com

1.4 Emergency telephone number

GBK Gefahrgutbuero GmbH, Tel. +49 6132 84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.

Classification (67/548/EEC, 1999/45/EC)

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Flammable	R10: Flammable.
Harmful	R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation. R20/21: Harmful by inhalation and in contact with skin.
Irritant	R41: Risk of serious damage to eyes. R37/38: Irritating to respiratory system and skin.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves/ eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

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- 123-86-4 n-butyl acetate
- 1330-20-7 Xylene, mixture of isomers
- 71-36-3 butan-1-ol

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Dispersion of a mixture Ethylene-Vinyl-Acetate (EVA)
Copolymer wax and Ethylene-Acrylic-Acid (EAA) Copolymer
wax

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
n-butyl acetate	123-86-4 204-658-1 01- 2119485493-29	R10 R66 R67	Flam. Liq. 3; H226 STOT SE 3; H336	>= 50 - < 100
Xylene, mixture of isomers	1330-20-7 215-535-7 01- 2119488216-32	R10 Xn; R20/21 Xi; R36/37/38 Xn; R65 Xn; R48/20	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304	>= 12,5 - < 20
butan-1-ol	71-36-3 200-751-6 01- 2119484630-38	R10 Xn; R22 Xi; R37/38-R41 R67	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 STOT SE 3; H335	>= 10 - < 12,5
ethylbenzene	100-41-4 202-849-4	F; R11 Xn; R20-R48/20- R65	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT RE 2; H373 Asp. Tox. 1; H304	>= 7 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.
Consult a physician.

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Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

- | | | |
|-------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled | : | Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice. |
| In case of skin contact | : | If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes. |
| In case of eye contact | : | Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist. |
| If swallowed | : | Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|----------|---|---------------------------|
| Symptoms | : | No information available. |
| Risks | : | No information available. |

4.3 Indication of any immediate medical attention and special treatment needed

- | | | |
|-----------|---|---------------------------|
| Treatment | : | No information available. |
|-----------|---|---------------------------|

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | | |
|--------------------------------|---|-----------------------------------------------------------------------------|
| Suitable extinguishing media | : | Alcohol-resistant foam
Carbon dioxide (CO ₂)
Dry chemical |
| Unsuitable extinguishing media | : | High volume water jet |

5.2 Special hazards arising from the substance or mixture

- | | | |
|--------------------------------------|---|---------------------------------------------------------------------------|
| Specific hazards during firefighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
|--------------------------------------|---|---------------------------------------------------------------------------|

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5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Use personal protective equipment.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

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Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Xylene, mixture of isomers	1330-20-7	TWA	50 ppm 221 mg/m ³	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m ³	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
ethylbenzene	100-41-4	TWA	100 ppm 442 mg/m ³	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	200 ppm 884 mg/m ³	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

n-butyl acetate : End Use: Workers

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	Exposure routes: Inhalation
	Potential health effects: Acute systemic effects, Acute local effects
	Value: 960 mg/m3
	End Use: Workers
	Exposure routes: Inhalation
	Potential health effects: Long-term systemic effects, Long-term local effects
	Value: 480 mg/m3
	End Use: Consumers
	Exposure routes: Inhalation
	Potential health effects: Acute systemic effects, Acute local effects
	Value: 859,7 mg/m3
	End Use: Consumers
	Exposure routes: Inhalation
	Potential health effects: Long-term systemic effects, Long-term local effects
	Value: 102,34 mg/m3
Xylene, mixture of isomers	: End Use: Workers
	Exposure routes: Inhalation
	Potential health effects: Acute effects, Short-term exposure, Systemic effects
	Value: 289 mg/m3
	End Use: Workers
	Exposure routes: Inhalation
	Potential health effects: Acute effects, Short-term exposure, Local effects
	Value: 289 mg/m3
	End Use: Workers
	Exposure routes: Skin contact
	Potential health effects: Long-term exposure, Systemic effects
	Value: 180 mg/kg
	End Use: Workers
	Exposure routes: Inhalation
	Potential health effects: Long-term exposure, Systemic effects
	Value: 77 mg/m3
	End Use: Consumers
	Exposure routes: Inhalation
	Potential health effects: Short-term exposure, Systemic effects
	Value: 174 mg/m3
	End Use: Consumers
	Exposure routes: Inhalation
	Potential health effects: Short-term exposure, Local effects
	Value: 174 mg/m3
	End Use: Consumers
	Exposure routes: Skin contact
	Potential health effects: Long-term exposure, Systemic effects
	Value: 108 mg/kg
	End Use: Consumers
	Exposure routes: Ingestion
	Potential health effects: Long-term exposure, Systemic effects
	Value: 1,6 mg/kg

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butan-1-ol	:	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term exposure, Systemic effects Value: 14,8 mg/m3
	:	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term exposure, Local effects Value: 310 mg/m3
	:	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term exposure, Local effects Value: 55 mg/m3
	:	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term exposure, Systemic effects Value: 3,125 mg/cm2

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

n-butyl acetate	:	Fresh water Value: 0,18 mg/l Marine water Value: 0,018 mg/l Intermittent releases Value: 0,36 mg/l Fresh water sediment Value: 0,981 mg/kg Marine sediment Value: 0,0981 mg/kg Soil Value: 0,0903 mg/kg Sewage treatment plant Value: 35,6 mg/l
Xylene, mixture of isomers	:	Fresh water Value: 0,327 mg/l Marine water Value: 0,327 mg/l Fresh water sediment Value: 12,46 mg/kg Marine sediment Value: 12,46 mg/kg Soil Value: 2,31 mg/kg Sewage treatment plant Value: 6,58 mg/l Intermittent releases Value: 0,327 mg/l
butan-1-ol	:	Fresh water Value: 0,082 mg/l Marine water Value: 0,0082 mg/l Fresh water sediment Value: 0,178 mg/kg Marine sediment

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Value: 0,0178 mg/kg
Soil
Value: 0,015 mg/kg
Intermittent releases
Value: 2,25 mg/l
Sewage treatment plant
Value: 2476 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Hand protection
Material : Polyvinyl alcohol or nitrile- butyl-rubber gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Environmental exposure controls

General advice : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : dispersion

Colour : white - off-white

Odour : aromatic

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : No data available

Initial boiling point and boiling range : 118 °C

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Flash point	: 27 °C
Evaporation rate	: No data available
Upper explosion limit	: 11,3 %(V)
Lower explosion limit	: 1 %(V)
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 0,871 g/cm ³ (20 °C, 1.013 hPa)
Solubility(ies)	
Water solubility	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: ca. 10 mPa.s (20 °C) Method: No information available.
Viscosity, kinematic	: 36 mm ² /s (40 °C) Method: No information available.

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

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10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.
Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

n-butyl acetate:

Acute oral toxicity : LD50 (Rat, male): > 1.000 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : LC50 (Rat, male and female): > 21 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): > 14.000 mg/kg
Method: OECD Test Guideline 402

Xylene, mixture of isomers:

Acute oral toxicity : LD50 (Rat, male): 3.523 mg/kg
Method: Directive 67/548/EEC, Annex V, B.1.

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butan-1-ol:

Acute oral toxicity : LD50 (Rat, female): 2.292 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit, male): 3.430 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Skin corrosion/irritation

Product:

Remarks: May irritate skin.
May cause skin irritation in susceptible persons.

Components:

n-butyl acetate:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

butan-1-ol:

Species: Rabbit
Method: Draize Test
Result: Skin irritation

Serious eye damage/eye irritation

Product:

Remarks: May cause irreversible eye damage.

Components:

n-butyl acetate:

Species: Rabbit
Method: OECD Test Guideline 405
Result: No eye irritation
GLP: yes

butan-1-ol:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Risk of serious damage to eyes.
GLP: yes

Respiratory or skin sensitisation

Product:

Remarks: No data available

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Components:

n-butyl acetate:

Test Type: Buehler Test

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

butan-1-ol:

Test Type: Maximisation Test

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

GLP: yes

Repeated dose toxicity

Product:

Remarks: No data available

Aspiration toxicity

Components:

butan-1-ol:

No aspiration toxicity classification

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Components:

n-butyl acetate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 18 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 44 mg/l
Exposure time: 48 h

Toxicity to algae : ErC50 (Scenedesmus subspicatus): 675 mg/l
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 23 mg/l
Exposure time: 21 d
End point: Reproduction
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

Xylene, mixture of isomers:

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 2,2 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

butan-1-ol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1.376 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.328 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 225 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 4,1 mg/l
Exposure time: 21 d
End point: Reproduction
Species: Daphnia magna (Water flea)
Test Type: semi-static test
Method: OECD Test Guideline 211
GLP: yes

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

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Components:

n-butyl acetate:

Biodegradability : Result: Readily biodegradable.
Method: OECD Test Guideline 301D

Xylene, mixture of isomers:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Method: OECD Test Guideline 301F
GLP: yes

butan-1-ol:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

n-butyl acetate:

Partition coefficient: n-octanol/water : log Pow: 2,3 (25 °C)
pH: 7
Method: OECD Test Guideline 117
GLP: yes

butan-1-ol:

Partition coefficient: n-octanol/water : log Pow: 1 (25 °C)
pH: 7
Method: OECD Test Guideline 117
GLP: yes

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : Remarks: No data available

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- | | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product | : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company. |
| Contaminated packaging | : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum. |

SECTION 14: Transport information

14.1 UN number

- | | |
|---------|-----------|
| ADR/RID | : UN 1993 |
| IMDG | : UN 1993 |
| IATA | : UN 1993 |

14.2 UN proper shipping name

- | | |
|---------|--------------------------------------------------------|
| ADR/RID | : FLAMMABLE LIQUID, N.O.S.
(n-Butylacetate, Xylene) |
| IMDG | : FLAMMABLE LIQUID, N.O.S.
(BUTYL ACETATES, Xylene) |
| IATA | : Flammable liquid, n.o.s.
(Butyl acetates, Xylene) |

14.3 Transport hazard class(es)

- | | |
|---------|-----|
| ADR/RID | : 3 |
| IMDG | : 3 |
| IATA | : 3 |

14.4 Packing group

- | | |
|------------------------------|-------------------|
| ADR/RID | |
| Packing group | : III |
| Classification Code | : F1 |
| Hazard Identification Number | : 30 |
| Labels | : 3 |
| Tunnel restriction code | : D/E |
| IMDG | |
| Packing group | : III |
| Labels | : 3 |
| EmS Code | : F-E, <u>S-E</u> |

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IATA

Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355
Packing group : III
Labels : Flammable liquid

14.5 Environmental hazards

ADR /RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P5c	FLAMMABLE LIQUIDS	Quantity 1 5.000 t	Quantity 2 50.000 t
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15.2 Chemical safety assessment

Not applicable

SECTION 16: Other information

Full text of R-Phrases

R10 : Flammable.
R11 : Highly flammable.
R20 : Harmful by inhalation.
R20/21 : Harmful by inhalation and in contact with skin.
R22 : Harmful if swallowed.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R37/38 : Irritating to respiratory system and skin.
R41 : Risk of serious damage to eyes.

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- | | | |
|--------|---|---------------------------------------------------------------------------------------|
| R48/20 | : | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| R65 | : | Harmful: may cause lung damage if swallowed. |
| R66 | : | Repeated exposure may cause skin dryness or cracking. |
| R67 | : | Vapours may cause drowsiness and dizziness. |

Full text of H-Statements

- | | | |
|------|---|--------------------------------------------------------------------|
| H225 | : | Highly flammable liquid and vapour. |
| H226 | : | Flammable liquid and vapour. |
| H302 | : | Harmful if swallowed. |
| H304 | : | May be fatal if swallowed and enters airways. |
| H312 | : | Harmful in contact with skin. |
| H315 | : | Causes skin irritation. |
| H318 | : | Causes serious eye damage. |
| H319 | : | Causes serious eye irritation. |
| H332 | : | Harmful if inhaled. |
| H335 | : | May cause respiratory irritation. |
| H336 | : | May cause drowsiness or dizziness. |
| H373 | : | May cause damage to organs through prolonged or repeated exposure. |

Full text of other abbreviations

- | | | |
|-------------|---|----------------------------------------------------|
| Acute Tox. | : | Acute toxicity |
| Asp. Tox. | : | Aspiration hazard |
| Eye Dam. | : | Serious eye damage |
| Eye Irrit. | : | Eye irritation |
| Flam. Liq. | : | Flammable liquids |
| Skin Irrit. | : | Skin irritation |
| STOT RE | : | Specific target organ toxicity - repeated exposure |
| STOT SE | : | Specific target organ toxicity - single exposure |

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.