

Arbide No: 193 Description Page 1/13 Period ada: 26.12.202 Issue date: 10.12.202 Page 1/13 Section 3: 10.12.202 Page 1/13 Section 4: Issue date: 10.201 Issued							
Version: 8.0 Issue date: 10.12.2022 Page 1/13 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. 1.1. product identifiers 183 Trade name/designation 183 Trade name/designation 183 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture and uses advised against 3. Details of the suppler of the substance or mixture and uses advised against 3. Details of information: isouratory Managar info@knuchel.ch 1.4. Emergency telephone number 145 (+41 (0)44 251 51 51) Section 10 the substance or mixture Classification according to Regulation (EC) No 1272/2008 [CLP] The mixture is classified as baracrdous according to regulation (EC) No 1272/2008 [CLP] Filam. Liq. 3 / H220 Filammable liquid and vapour. Shin tor: 2 / H319 Serior repeated exposure Aqualic Chonici 3 / H121 Hazardous to the aqualic environment Stor RE 2 / H33 STOT-repeated exposure Harard statements Hazardous to the aqualic environment Hazard statements Hazardous or prasmable liquid and vapour.						DD-193 matt	EN
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P102Keep out of reach of children.P103Read carefully and follow all instructions.P210Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.P233Keep container tightly closed.P240Ground and bond container and receiving equipment.P241Use explosion-proof electrical equipment.P242Use non-sparking tools.P243Take action to prevent static discharges.P260Do not breathe vapour.P264Wash hands thoroughly after handling.P273Avoid release to the environment.					s needed, have product o	ontainer or lab	el at hand
P210Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.P233Keep container tightly closed.P240Ground and bond container and receiving equipment.P241Use explosion-proof electrical equipment.P242Use non-sparking tools.P243Take action to prevent static discharges.P260Do not breathe vapour.P264Wash hands thoroughly after handling.P273Avoid release to the environment.					-		
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P242Use non-sparking tools.P243Take action to prevent static discharges.P260Do not breathe vapour.P264Wash hands thoroughly after handling.P273Avoid release to the environment.						quipment.	
P243Take action to prevent static discharges.P260Do not breathe vapour.P264Wash hands thoroughly after handling.P273Avoid release to the environment.							
P260Do not breathe vapour.P264Wash hands thoroughly after handling.P273Avoid release to the environment.							
P273 Avoid release to the environment.		-	Do	not breathe var	our.		
			Wa	sh hands thoro	ughly after handling.		
						tion.	
		_ 2 •		, protective gr			

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P302 + P3	52 IF ON	I SKIN: Wash with plenty of soap an	d water.	
P303 + P3	61 + P353 IF ON	SKIN (or hair): Take off immediatel	y all contaminated clothing. Rinse skin	with water [or shower].
P305 + P3	51 + P338 IF IN	EYES: Rinse cautiously with water for	or several minutes. Remove contact len	ses, if present and
	easy	to do. Continue rinsing.		
P314	Get m	nedical advice/attention if you feel un	nwell.	
P332 + P3	13 If skin	irritation occurs: Get medical advice	e/attention.	
P337 + P3	13 If eye	irritation persists: Get medical advic	ce/attention.	
P362 + P3	64 Take	off contaminated clothing and wash	it before reuse.	
P370 + P3	78 In cas	se of fire: Use extinguishing powder of	or sand to extinguish.	
P403 + P23	35 Store	in a well-ventilated place. Keep cool	I	
P501	Dispo	se of contents/container to industria	l incineration plant.	
Hazard co	mponents for lal	belling		
	Xylen	e		
Suppleme	ntal hazard infor	mation		
	not ap	oplicable		

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description solvent-based acrylic resin, containing the following hazardous substances:

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

EC No. CAS No. Index No.	REACH No. Designation classification // Remark	weight-%
215-535-7 1330-20-7 601-022-00-9	01-2119488216-32 Xylene Acute Tox. 4 H312 / Acute Tox. 4 H332 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / STOT SE 3 H335 / STOT RE 2 H373 / Asp. Tox. 1 H304 / Flam. Liq. 3 H226	15 - 25
918-668-5	01-2119455851-35 Hydrocarbons, C9, aromatics, <0.1% benzene STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411	5 - 10
202-849-4 100-41-4 601-023-00-4	01-2119489370-35 ethylbenzene Flam. Liq. 2 H225 / Acute Tox. 4 H332 / STOT RE 2 H373 / Asp. Tox. 1 H304	1 - 5
918-481-9	01-2119457273-39 Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics Asp. Tox. 1 H304	1 - 5
204-658-1 123-86-4 607-025-00-1	01-2119485493-29 n-butyl acetate Flam. Liq. 3 H226 / STOT SE 3 H336 / EUH066	1 - 5
Additional inform	nation	

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

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After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. **Indication of any immediate medical attention and special treatment needed** First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water) Unsuitable extinguishing media strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition

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hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

Xylene

Index No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

WEL, TWA: 220 mg/m3; 50 ppm

WEL, STEL: 441 mg/m3; 100 ppm

Remark: (may be absorbed through the skin)

BMGV, TWA: 650 mmol/mol creatinine

Remark: methyl hippuric acid; urine; end of exposure or end of shift

ethylbenzene

Index No. 601-023-00-4 / EC No. 202-849-4 / CAS No. 100-41-4

WEL, TWA: 441 mg/m3; 100 ppm WEL, STEL: 552 mg/m3; 125 ppm Remark: (may be absorbed through the skin)

Additional information

TWA : Long-term occupational exposure limit value STEL : short-term occupational exposure limit value Ceiling : peak limitation

DNEL:

Xylene

Index No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

DNEL long-term dermal (systemic), Workers: 212 mg/kg bw/day

DNEL acute inhalative (local), Workers: 442 mg/m³

DNEL acute inhalative (systemic), Workers: 442 mg/m³

DNEL long-term inhalative (local), Workers:

- DNEL long-term inhalative (systemic), Workers: 221 mg/m³
- DNEL long-term oral (repeated), Consumer: 12,5 mg/kg bw/day
- DNEL long-term dermal (systemic), Consumer: 125 mg/kg bw/day
- DNEL acute inhalative (local), Consumer: 260 mg/m³
- DNEL acute inhalative (systemic), Consumer: 260 mg/m³
- DNEL long-term inhalative (local), Consumer: 65,3 mg/m³
- DNEL long-term inhalative (systemic), Consumer: 65,3 mg/m³

ethylbenzene

Index No. 601-023-00-4 / EC No. 202-849-4 / CAS No. 100-41-4 DNEL long-term dermal (systemic), Workers: 180 mg/kg bw/day DNEL long-term inhalative (systemic), Workers: 77 mg/m³

- DNEL long-term oral (repeated), Consumer: 1,6 mg/kg bw/day
- DNEL long-term inhalative (systemic), Consumer: 15 mg/m³

n-butyl acetate

- Index No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4 DNEL short-term oral (acute), Workers:
- DNEL long-term inhalative (systemic), Workers: 480 mg/m³
- DNEL long-term inhalative (systemic), Consumer: 102,34 mg/m³

PNEC:

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	PNEC aqu PNEC aqu PNEC sec PNEC sec	uatic, freshwater: 0,3 uatic, marine water: 1 liment, freshwater: 1 liment, marine water vage treatment plan	0,327 mg/L 2,46 mg/kg r: 12,46 mg/kg	
	PNEC aqu PNEC aqu PNEC sec PNEC sec PNEC, so		0,01 mg/L 3,7 mg/kg r: 1,37 mg/kg	
	PNEC aqu PNEC aqu PNEC aqu PNEC sec PNEC sec PNEC, so	07-025-00-1 / EC No uatic, freshwater: 0,1 uatic, marine water: 0 uatic, intermittent rel liment, freshwater: 0	0,018 mg/L ease: 0,36 mg/L),981 mg/kg Sediment dry weight r: 0,0981 mg/kg Sediment dry weight liment dry weight	
8.2.	Exposure of	controls		

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1.	Information on basic physical and chemical	properties
	Physical state:	Liquid
	Colour:	refer to label
	Odour:	characteristic
	Odour threshold:	not applicable
	Melting point/freezing point:	not applicable
	Initial boiling point and boiling range:	139 °C
		Source: Xylene

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Flam	mability:		Flammable liquid	and vapour.
Lowe Low	er and upper explosion li ver explosion limit: per explosion limit:	mit:	0.83 Vol-% 8 Vol-% Source: Xylene	
Flash	n point:		25 °C Method: DIN 53213	3
Auto	-ignition temperature:		240 °C Source: Hydrocarb aromatics	oons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2%
Deco	mposition temperature:		not applicable	
pH at	t 20 °C:		not applicable	
Ciner	matic viscosity (40°C):		3515.56 mm²/s	
	osity at 20 °C:		4000 - 5000 mPas	
Solul	bility(ies): er solubility at 20 °C:		insoluble	
	tion coefficient: n-octand	ol/water:	see section 12	
	our pressure at 20 °C:		8 mbar Source: Xylene	
	ity and/or relative densit sity at 20 °C:	y :	1.14 g/cm³	
Relat	ive vapour density:		not applicable	
partio	cle characteristics:		not applicable	
9.2. Othe	r information			
Solid	content:		62 weight-%	
	ent content: anic solvents: ter:		38 weight-% 0 weight-%	
Solve	ent separation test:		< 3 weight-% (ADR	R/RID)
SECTION	10: Stability and react	ivity		
10.1. Reac	tivity formation available.			
10.2. Chen	nical stability e when applying the recor	nmended regulati	ions for storage and	handling. Further information on correct storage: refer
	ibility of hazardous reac away from strong acids, s		strong oxidizing ager	ents to avoid exothermic reactions.
	litions to avoid rdous decomposition bypr	oducts may form	with exposure to high	h temperatures.
	npatible materials pplicable			
Haza	rdous decomposition pr rdous decomposition byp e, nitrogen oxides.		with exposure to hig	gh temperatures, e.g.: carbon dioxide, carbon monoxid
SECTION	11: Toxicological info	rmation		
11.1. Infor	mation on hazard classe	s as defined in F	Regulation (EC) No	1272/2008
Acute	e toxicity			
Xylen	ie I DEO. Bot. malo: 5 522 r			

oral, LD50, Rat, male: 5,523 mg/kg Method: EU Test B.1 inhalative (vapours), LC50, Rat, male: 6700 ppm (4 h)

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	nzene D50, Rat: 3,5 mg/kg I, LD50, Rabbit: 15,4	mg/kg	
Methoo derma Methoo inhalat Methoo	D50, Rat: 10760 mg/ d: OECD 423 l, LD50, Rabbit: 1411 d: OECD 402 ive (dust and mist), L d: OECD 403	2 mg/kg C50, Rat: 23,4 mg/L (4 h)	
oral, L	arbons, C10-C13, n-a D50, Rat: > 15000 m I, LD50, Rabbit: > 310		
oral, L derma	arbons, C9, aromatics D50, Rat: 3492 mg/kg I, LD50, Rabbit: > 310 ive (vapours), LC50,]	
Skin co	rrosion/irritation; So	erious eye damage/eye irritation	
Causes	skin irritation.		
Causes	serious eye irritation		
Cause eyes, I	Rabbit (24 h) s mild skin irritation.		
Metho No ski eyes Metho	acetate Rabbit (4 h) d: OECD 404 n irritation d: OECD 405 e irritation		
Hydroca Skin (4 Based eyes	arbons, C10-C13, n-a l h) on available data, th	lkanes, iso-alkanes, cyclic, <2% aromatics e classification criteria are not met. e classification criteria are not met.	
Hydroca Skin (4	arbons, C9, aromatics		
Not to eyes Metho	be classified as skin d: OECD 405	etching/irritant. re eye damage or eye irritation.	
	tory or skin sensitis		
n-butyl a Skin, C Method	-	on not sensitising.	
Skin: ;	Evaluation Based on	Ikanes, iso-alkanes, cyclic, <2% aromatics available data, the classification criteria are no ation Based on available data, the classificatior	
Skin: Metho Not to	arbons, C9, aromatics d: OECD 406 be classified as skin atory system:		

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No dat	a available		
CMR ef	fects (carcinogenic	ity, mutagenicity and toxicity for rep	production)
Hamst Carcin	cell mutagenicity; Ev er; Mouse; ovaries ogenicity; Evaluation d: Group II B (IARC)	-	hylbenzene)
n-butyl a Germ (aluation Ames test negative.	
Hydroca Germ Carcin	arbons, C10-C13, n-a cell mutagenicity; Eva ogenicity; Evaluation	Ikanes, iso-alkanes, cyclic, <2% arom aluation Based on available data, the Based on available data, the classific lation Based on available data, the cla	classification criteria are not met. ation criteria are not met.
Germ Not to Carcin There Reprod Does r	ogenicity	n cell mutagen (mutagen). at indicate positive results of kidney ca nogen.	ancer.
STOT-s	ingle exposure; ST	OT-repeated exposure	
Мау сал	use damage to organ	s through prolonged or repeated expo	sure.
Liver a Cause exposi	and kidney damage; o s damage to organs ure if it is conclusively	y (repeated exposure) central nervous system (or state all organs affected, if known) y proven that no other routes of expos central nervous system; hearing organ	
Metho RTEC Depres	nzene Ited dose toxicity, Ra d OECD 407 S-no.:; DA0700000 ssion of central nervo nent disorders; head	bus system	
central Specifi humar	ic target organ toxicit I nervous system; Ma ic target organ toxicit n; Prolonged or repea	y cause drowsiness or dizziness. y (repeated exposure)	of natural fat from the skin resulting in dermatitis (skin sness.
Hydroca	arbons, C10-C13, n-a	Ikanes, iso-alkanes, cyclic, <2% arom	natics

Specific target organ toxicity (single exposure) Evaluation Based on available data, the classification criteria are not met. Specific target organ toxicity (repeated exposure) Evaluation Based on available data, the classification criteria are not met.

Hydrocarbons, C9, aromatics, <0.1% benzene

Specific target organ toxicity (single exposure)

May cause respiratory irritation and depression of central nervous system with drowsiness, dizziness, weakness, loss of consciousness, nausea and headache.

Specific target organ toxicity (repeated exposure)

No data available Aspiration hazard

n-butyl acetate

Aspiration hazard; Evaluation No classification for aspiration toxicity

Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics Aspiration hazard; Evaluation May be fatal if swallowed and enters airways.

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Hydrocarbons, C9, aromatics, <0.1% benzene

Aspiration hazard

May be fatal if swallowed and enters airways.

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP] Do not allow to enter into surface water or drains.

12.1. Toxicity

Xvlene Fish toxicity, LC50, fish: 2,6 mg/L (96 h) Method: OECD 203 Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 4,6 mg/L (72 h) Method: OECD 201 Algae toxicity, EC50, Pseudokirchneriella subcapitata: 4,6 mg/L (72 h) Method: OECD 201 Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout) (96 h) Method: OECD 203 Daphnia toxicity, IC50, Daphnia magna: 1 mg/L (24 h) Method: OECD 202 Algae toxicity, EC50, Selenastrum capricornutum: 2,2 mg/L (73 h) Method: OECD 201 Daphnia toxicity, growth test (Eb-Cx) 10%", Daphnia magna: 1,91 mg/L (21 d) Method: OECD 211 Bacteria toxicity, NOEC, Activated sludge: 16 mg/L (28 t) Method: OECD 301 F ethylbenzene Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 4,2 mg/L (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea) 1,8 - 2,4 mg/L (48 h) Algae toxicity, EC50, Skeletonema costatum: 4,9 mg/L (72 h) Algae toxicity, EC50, Pseudokirchneriella subcapitata: 7,2 mg/L (48 h) Shellfish Toxicity, LC50, Mysidopsis bahia: > 5,2 mg/L (48 h) Toxicity of Microoganisms, EC50, microorganisms: 96 mg/L (24 h) n-butyl acetate Fish toxicity, LC50, Pimephales promelas (fathead minnow): 18 mg/L (96 h) Method: OECD 203 Daphnia toxicity, EC50, Daphnia magna (Big water flea): 44 mg/L (48 h) Algae toxicity, ErC50 Algae toxicity, EC50, Desmodesmus subspicatus: 647,7 mg/L (72 h) (Growth inhibition) Algae toxicity, NOEC, Desmodesmus subspicatus: 200 mg/L Bacteria toxicity, IC50, Tetrahymena: 356 mg/L (40 h) Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics Fish toxicity, LC50, Pimephales promelas (fathead minnow): 220 mg/L (96 h) Daphnia toxicity, LC50, crangon crangon: 4,3 mg/L (96 h) Hydrocarbons, C9, aromatics, <0.1% benzene Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 9,2 mg/L (96 h)

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	Daphnia toxicity	, EC50, Daphr	nia magna: 1,6 mg/L	(48 h)					
	Long-term Ecoto	oxicity							
	Harmful to aquati	armful to aquatic life with long lasting effects.							
	Method: OECD Fish toxicity, NC Daphnia toxicity Method: US EP Daphnia toxicity Method: OECD Algae toxicity, E Method: OECD Daphnia toxicity Method: OECD Algae toxicity, g Method: OECD ethylbenzene Daphnia toxicity Daphnia toxicity Bacteria toxicity	201 DEC, fish: > 1,3 , NOEC, Daph A 600/4-91-00 , EL50, Daphr 211 C50, Pseudok 201 , LOEC:, Daph 211 rowth test (Eb- 201 , NOEC, Cerico , LC50, Cerico , EC50, Nitros	nia pulex (water flea)): 1,17 mg/L (7 (21 d) ata: 2,2 mg/L (7 er flea): 3,16 mg/ rchneriella subc serfloh): 0,96 mg/L (24 h)	d) /3 h) L (21 d) apitata: 0, g/L (7 d) (7 d)	72 mg/L (73	h)		
	• •		daphnia dubia (Was		,				
12.2.	Persistence and	degradability	1						
	Xylene Persistence and Method: Rapid Biodegradation: Readily biodegr	photochemica 98 percent (l oxidation in air)					
	ethylbenzene Biodegradation,	aerobic: 70 -	80 percent (28 d); E	valuation Readil	y biodegra	adable (accord	ling to OECD	criteria)	
		83 percent (Evaluation No dat 28 d); Evaluation Rea		ble (accor	ding to OECD	criteria).		
			nes, iso-alkanes, cyo Not readily biodegrad			criteria)			
	Hydrocarbons, CS Biodegradation:		0.1% benzene Readily biodegradabl	e (according to (DECD crite	eria).			
12.3.	Bioaccumulative	e potential							
	Xylene Distribution coef	fficient n-octar	ol/water (log KOW):	3,49					
	ethylbenzene Distribution coet	fficient n-octar	ol/water (log KOW):	3,6					
	n-butyl acetate Distribution coe No data availab		ol/water (log KOW):						
	Hydrocarbons, C Partition coeffici No further releva	ent: n-octanol		clic, <2% aromat	ics				
	Hydrocarbons, C Distribution coe		:0.1% benzene ol/water (log KOW):	3,7 - 4,5					
12.4.	Mobility in soil								
	Xylene soil: Evaluatio	n Absorbs slov	wly into the soil						

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Water:	Evaluation Floats on	the water						
n-butyl a	cetate							
: No dat:	a available							
		anes iso-alkanes cyclic <2% aromatics						
soil:	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics soil: No further relevant information available.							
Hydrocarbons, C9, aromatics, <0.1% benzene								
	soil: No data available							
12.5. Results	. Results of PBT and vPvB assessment							
The subs	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.							
	Endocrine disrupting properties No information available.							
12.7. Other ac No inforr	lverse effects nation available.							
SECTION 13	Disposal consider	ations						
13.1. Waste ti	reatment methods							
Recomm		ct ace water or drains. This material and its container must be disposed of in a safe way. Wast 2008/98/EC, covering waste and dangerous waste. Dispose of waste according to applicabl						
		2000/90/EC, covering waste and dangerous waste. Dispose of waste according to applicable						
disposal legislatic List of p 080111* *Hazardo Appropi	n. roposed waste codes Waste p bus waste according to riate disposal / Packa	s/waste designations in accordance with EWC aint and varnish containing organic solvents or other dangerous substances Directive 2008/98/EC (waste framework directive).						
disposal legislatic List of p 080111* *Hazardo Appropr Recomn	n. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation	s/waste designations in accordance with EWC aint and varnish containing organic solvents or other dangerous substances Directive 2008/98/EC (waste framework directive).						
disposal legislatic List of p 080111* *Hazardo Appropr Recomm Non-con	n. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation	s/waste designations in accordance with EWC haint and varnish containing organic solvents or other dangerous substances Directive 2008/98/EC (waste framework directive). ge hay be recycled. Vessels not properly emptied are special waste.						
disposal legislatic List of p 080111* *Hazardo Appropr Recomn Non-con SECTION 14:	n. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation taminated packages m Transport informa	s/waste designations in accordance with EWC haint and varnish containing organic solvents or other dangerous substances b Directive 2008/98/EC (waste framework directive). ge hay be recycled. Vessels not properly emptied are special waste.						
disposal legislatic List of p 080111* *Hazardo Appropr Recomn Non-con SECTION 14:	n. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation taminated packages m	s/waste designations in accordance with EWC waint and varnish containing organic solvents or other dangerous substances Directive 2008/98/EC (waste framework directive). ge hay be recycled. Vessels not properly emptied are special waste.						
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disposal legislatic List of p 080111* *Hazardo Appropr Recomm Non-con SECTION 14: 14.1. UN num 14.2. UN prop Land trai	n. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation taminated packages m Transport informa ber or ID number her shipping name hsport (ADR/RID):	s/waste designations in accordance with EWC haint and varnish containing organic solvents or other dangerous substances b Directive 2008/98/EC (waste framework directive). ge hay be recycled. Vessels not properly emptied are special waste. Ition UN 1263 Paint						
disposal legislatic List of p 080111* *Hazardo Appropr Recomm Non-con SECTION 14: 14.1. UN num 14.2. UN prop Land tran Sea tran	nn. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation taminated packages m Transport informa ber or ID number her shipping name hsport (ADR/RID): sport (IMDG):	s/waste designations in accordance with EWC value and varnish containing organic solvents or other dangerous substances b Directive 2008/98/EC (waste framework directive). ge hay be recycled. Vessels not properly emptied are special waste. tion UN 1263 Paint PAINT						
disposal legislatic List of p 080111* *Hazardo Appropr Recomm Non-con SECTION 14: 14.1. UN num 14.2. UN prop Land trai Sea tran Air trans	n. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation taminated packages m Transport informa ber or ID number her shipping name hsport (ADR/RID): sport (IMDG): port (ICAO-TI / IATA-D	s/waste designations in accordance with EWC value and varnish containing organic solvents or other dangerous substances b Directive 2008/98/EC (waste framework directive). ge hay be recycled. Vessels not properly emptied are special waste. tion UN 1263 Paint PAINT						
disposal legislatic List of p 080111* *Hazardo Appropr Recomm Non-con SECTION 14: 14.1. UN num 14.2. UN prop Land trans Sea tran Air transponent	nn. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation taminated packages m Transport informa ber or ID number her shipping name hsport (ADR/RID): sport (IMDG):	s/waste designations in accordance with EWC value and varnish containing organic solvents or other dangerous substances b Directive 2008/98/EC (waste framework directive). ge hay be recycled. Vessels not properly emptied are special waste. tion UN 1263 Paint PAINT						
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disposal legislatic List of p 080111* *Hazardo Appropri Recomm Non-con SECTION 14: 14.1. UN num 14.2. UN prop Land trai Sea tran Air transpo Land trai Sea tran for packa	nn. roposed waste codes Waste p bus waste according to riate disposal / Packa nendation taminated packages m Transport informa ber or ID number her shipping name hsport (ADR/RID): sport (IMDG): port (ADR/RID): sport (ADR/RID): sport (ADR/RID):	s/waste designations in accordance with EWC aint and varnish containing organic solvents or other dangerous substances b Directive 2008/98/EC (waste framework directive). ge hay be recycled. Vessels not properly emptied are special waste. ttion UN 1263 Paint PAINT PGR): Paint KEINE GÜTER DER KLASSE 3 bei Gebinden > 450 I Klasse 3 3 Transport in accordance with the provisi ons of paragraph 2.3.2.5 of the IMDG Cod e.						
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	Land trans	port (ADR/RID) riction code	D/E					
	Sea transp	ort (IMDG)						
	EmS-No.	ζ, γ	F-E, S-E					
14.7.	Maritime tr	ansport in bulk ac	cording to IMO instruments					
	No transport as bulk according IBC - Code.							
SEC	ECTION 15: Regulatory information							
		Safety, health and environmental regulations/legislation specific for the substance or mixture						
	EU legislat		······································					
	Directive 2 VOC-value	Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC-value (in g/L): 434 National regulations						
	Restriction Observe en applicable.	EEC or stricter national regulations, if tection guideline' (94/33/EC) or stricter						
15.2.	Chemical Safety Assessment For the following substances of this mixture a chemical safety assessment has been carried out:							
	EC No. CAS No.	Designa	ation	-	REACH No.			
	215-535-7 1330-20-7	Xylene			01-2119488216-32			
	918-668-5	Hydroca	arbons, C9, aromatics, <0.1% be	nzene	01-2119455851-35			
	202-849-4 100-41-4	ethylber	Izene		01-2119489370-35			
	918-481-9	Hydroca		iso-alkanes, cyclic,	<2% 01-2119457273-39			
	204-658-1 123-86-4	n-butyl a	acetate		01-2119485493-29			

SECTION 16: Other information

Full text of classification in section 3							
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.					
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.					
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.					
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.					
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.					
STOT RE 2 / H373	STOT-repeated exposure	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).					
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.					
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.					
STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.					
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.					
Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.					
Classification procedure							
Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]							
Flam. Liq. 3	Flammable liquids	On basis of test data.					
Skin Irrit. 2	Skin corrosion/irritation	Calculation method.					
Eye Irrit. 2	Serious eye damage/eye irritation	Calculation method.					
STOT RE 2	STOT-repeated exposure	Calculation method.					
Aquatic Chronic 3	Hazardous to the aquatic environment	Calculation method.					

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Abbreviations and acronyms							
ADR	Europ	ean Agreement concerning the Interna	ational Carriage of Dangerous Goods	by Road			
OEL		Occupational Exposure Limit Value					
BLV	•	Biological Limit Value					
CAS		Chemical Abstracts Service					
CLP	Classification, Labelling and Packaging						
CMR	Carcinogenic, Mutagenic and Reprotoxic						
DIN	German Institute for Standardization / German industrial standard						
	DNEL Derived No-Effect Level						
EAKV							
EC Effective Concentration							
EC							
	EN European Standard IATA-DGR International Air Transport Association – Dangerous Goods Regulations IBC Code International Code for the Construction and Equipment of Ships carrying Dangerous (
IBC Code ICAO-TI	Intern	ational Civil Aviation Organization Te					
		s by Air					
IMDG Coo		ational Maritime Code for Dangerous (
ISO		ational Organization for Standardizatio	n				
LC LD		l Dose					
MARPOL		me Pollution: The International Conver	tion for the Provention of Pollution fro	m Shine			
OECD		nisation for Economic Cooperation and					
PBT		stent, bioaccumulative, toxic	Development				
PNEC		cted No Effect Concentration					
REACH		tration, Evaluation, Authorisation and F	Restriction of Chemicals				
RID		lations concerning the International Ca					
UN		d Nations					
VOC		le Organic Compounds					
vPvB		persistent and very bioaccumulative					

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.