

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Product Reference code:according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 SDS Ref. (EU): S20610-SDS

Issue date: 09/04/2015 Revision date: 17/02/2022 Supersedes version of: 28/08/2020 Version: 7.0

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

1.1. Product identifier

Product form : Mixture

Trade name : SYSTEM 20 HS SOLID GLOSS BLACK (2:1)

 UFI
 : DAW0-C0FG-X005-CGK0

 Product code
 : S20610/1, S20610/5

 Product group
 : Solid Colour

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use

Use of the substance/mixture : Coatings and paints, thinners, paint removers

Function or use category : Coating

1.2.2. Uses advised against

Restrictions on use : Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Manufacturer Importer

U-POL Limited Ltd
U-POL Netherlands B.V. B.V.
Denington Road
Hoorgoorddreef 15

GB– NN8 2QH Wellingborough – Northamptonshire NL– 1101BA Amsterdam

United Kingdom Netherlands T +44 (0) 1933 230310 T +31 20 240 2216

<u>technicalsupport@u-pol.com</u> - <u>www.u-pol.com</u> - <u>www.u-pol.com</u> - <u>www.u-pol.com</u> - <u>www.u-pol.com</u>

1.4. Emergency telephone number

Emergency number : CHEMTREC: +44 (0) 870 8200418 (24 hrs)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	NHS England, Scotland & Wales	-	Call 111 or a Doctor	In Northern Ireland, contact your local GP or pharmacist during normal hours (www.gpoutofhours.h scni.net)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H351
Carcinogenicity, Category 2 H351
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336

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Specific target organ toxicity — Single exposure, Category 3, Respiratory H335

tract irritation

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause drowsiness or dizziness. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) : Warning

Contains : n-butyl acetate, hydrocarbons, C9, aromatics, isobutyl methyl ketone

Hazard statements (CLP) : H226 - Flammable liquid and vapour.

H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, open flames, sparks. — No smoking.

P260 - Do not breathe fume, vapours. P264 - Wash hands thoroughly after handling.

P280 - Wear face protection, protective clothing, protective gloves. P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P403+P235 - Store in a well-ventilated place. Keep cool.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component		
n-butyl acetate (123-86-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
2-methoxy-1-methylethyl acetate (108-65-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Xylene (1330-20-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
4-methylpentan-2-one; isobutyl methyl ketone (108- 10-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
n-butyl acetate substance with a Community workplace exposure limit	CAS-No.: 123-86-4 EC-No.: 204-658-1 EC Index-No.: 607-025-00-1 REACH-no: 01-2119485493-	5 – 20	Flam. Liq. 3, H226 STOT SE 3, H336
hydrocarbons, C9, aromatics	CAS-No.: 64742-95-6 EC-No.: 918-668-5 REACH-no: 01-2119455851- 35	3 – 20	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit	CAS-No.: 108-65-6 EC-No.: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791-	3 – 10	Flam. Liq. 3, H226
reaction mass of ethylbenzene, m-xylene and p-xylene	EC-No.: 905-562-9 REACH-no: 01-2119555267- 33	3 – 10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
Xylene substance with a Community workplace exposure limit (Note C)	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216- 32	1 – 2.5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
4-methylpentan-2-one; isobutyl methyl ketone substance with a Community workplace exposure limit	CAS-No.: 108-10-1 EC-No.: 203-550-1 EC Index-No.: 606-004-00-4 REACH-no: 01-2119473980- 30	1 – 2.5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

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First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a

doctor if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin

irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : May cause drowsiness or dizziness. Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour. Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing

vapours, spray, fume. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain released product, collect/pump into suitable containers. Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, spray,

fume. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature : < 25 °C

Storage area : Store in a well-ventilated place. Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

n-butyl acetate (123-86-4)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	n-Butyl acetate	
IOEL TWA	241 mg/m³	
IOEL TWA [ppm]	50 ppm	
IOEL STEL	723 mg/m³	
IOEL STEL [ppm]	150 ppm	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831	
Ireland - Occupational Exposure Limits		
Local name	Butyl acetate	
OEL TWA [1]	710 mg/m³	
OEL TWA [2]	150 ppm	
OEL STEL	950 mg/m³	
OEL STEL [ppm]	200 ppm	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	Butyl acetate	
WEL TWA (OEL TWA) [1]	724 mg/m³	
WEL TWA (OEL TWA) [2]	150 ppm	
WEL STEL (OEL STEL)	966 mg/m³	
WEL STEL (OEL STEL) [ppm]	200 ppm	

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n-butyl acetate (123-86-4)			
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		
4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)		
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	4-Methylpentan-2-one		
IOEL TWA	83 mg/m³		
IOEL TWA [ppm]	20 ppm		
IOEL STEL	208 mg/m³		
IOEL STEL [ppm]	50 ppm		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC COMMISSION DIRECTIVE 2000/39/EC		
Ireland - Occupational Exposure Limits			
Local name	Methyl isobutyl ketone (MIBK) [Hexone, Isobutyl methyl keton, 4-Methylpentan-2-one)		
OEL TWA [1]	83 mg/m³		
OEL TWA [2]	20 ppm		
OEL STEL	208 mg/m³		
OEL STEL [ppm]	50 ppm		
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)		
Regulatory reference	Chemical Agents Code of Practice 2020		
Ireland - Biological limit values			
Local name	Methyl isobutyl ketone (MIBK)/ 4-methylpentan-2-one		
BLV	1 mg/l Parameter: MIBK - Medium: urine - Sampling time: End of shift		
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)		
United Kingdom - Occupational Exposure Limits			
Local name	4-Methylpentan-2-one		
WEL TWA (OEL TWA) [1]	208 mg/m³		
WEL TWA (OEL TWA) [2]	50 ppm		
WEL STEL (OEL STEL)	416 mg/m³		
WEL STEL (OEL STEL) [ppm]	100 ppm		
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		
United Kingdom - Biological limit values			
Local name	4-methylpentan-2-one		
BMGV	20 μmol/l Parameter: 4-methylpentan-2-one - Medium: urine - Sampling time: Post shift		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		
2-methoxy-1-methylethyl acetate (108-65-6)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	2-Methoxy-1-methylethylacetate		

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2-methoxy-1-methylethyl acetate (108-65-6)			
IOEL TWA	275 mg/m³		
IOEL TWA [ppm]	50 ppm		
IOEL STEL	550 mg/m³		
IOEL STEL [ppm]	100 ppm		
Remark	Skin		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		
Ireland - Occupational Exposure Limits			
Local name	2-Methoxy-1-methylethylacetate		
OEL TWA [1]	275 mg/m³		
OEL TWA [2]	50 ppm		
OEL STEL	550 mg/m³		
OEL STEL [ppm]	100 ppm		
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)		
Regulatory reference	Chemical Agents Code of Practice 2020		
United Kingdom - Occupational Exposure Limits			
Local name	1-Methoxypropyl acetate		
WEL TWA (OEL TWA) [1]	274 mg/m³		
WEL TWA (OEL TWA) [2]	50 ppm		
WEL STEL (OEL STEL)	548 mg/m³		
WEL STEL (OEL STEL) [ppm]	100 ppm		
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		
Xylene (1330-20-7)	Xylene (1330-20-7)		
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	Xylene, mixed isomers, pure		
IOEL TWA	221 mg/m³		
IOEL TWA [ppm]	50 ppm		
IOEL STEL	442 mg/m³		
IOEL STEL [ppm]	100 ppm		
Remark	Skin		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		
Ireland - Occupational Exposure Limits			
Local name	Xylene, mixed isomers		
OEL TWA [1]	221 mg/m³		
OEL TWA [2]	50 ppm		
OEL STEL	442 mg/m³		
OEL STEL [ppm]	100 ppm		

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Xylene (1330-20-7)		
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
Ireland - Biological limit values		
Local name	Xylene	
BLV	1.5 g/g creatinine Parameter: methylhippuric acids - Medium: urine - Sampling time: End of Shift	
Regulatory reference	Biological Monitoring Guidelines (HSA, 2011)	
United Kingdom - Occupational Exposure Limits		
Local name	Xylene	
WEL TWA (OEL TWA) [1]	220 mg/m³	
WEL TWA (OEL TWA) [2]	50 ppm	
WEL STEL (OEL STEL)	441 mg/m³	
WEL STEL (OEL STEL) [ppm]	100 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
United Kingdom - Biological limit values		
Local name	Xylene, o-, m-, p- or mixed isomers	
BMGV	650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

n-butyl acetate (123-86-4)		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	11 mg/kg bw/day	
Acute - systemic effects, inhalation	600 mg/m³	
Acute - local effects, inhalation	600 mg/m³	
Long-term - systemic effects, dermal	11 mg/kg bw/day	
Long-term - systemic effects, inhalation	300 mg/m³	
Long-term - local effects, inhalation	300 mg/m³	
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	6 mg/kg bw/day	
Acute - systemic effects, inhalation	300 mg/m³	
Acute - systemic effects, oral	2 mg/kg bw/day	
Acute - local effects, inhalation	300 mg/m³	

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n-butyl acetate (123-86-4)		
Long-term - systemic effects,oral	2 mg/kg bw/day	
Long-term - systemic effects, inhalation	35.7 mg/m³	
Long-term - systemic effects, dermal	6 mg/kg bw/day	
Long-term - local effects, inhalation	35.7 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.18 mg/l	
PNEC aqua (marine water)	0.018 mg/l	
PNEC aqua (intermittent, freshwater)	0.36 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.981 mg/kg dwt	
PNEC sediment (marine water)	0.0981 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.0903 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	35.6 mg/l	
4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)	
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	208 mg/m³	
Acute - local effects, inhalation	208 mg/m³	
Long-term - systemic effects, dermal	11.8 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	83 mg/m³	
Long-term - local effects, inhalation	83 mg/m³	
DNEL/DMEL (General population)		
Acute - systemic effects, inhalation	155.2 mg/m³	
Acute - local effects, inhalation	155.2 mg/m³	
Long-term - systemic effects,oral	4.2 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	14.7 mg/m³	
Long-term - systemic effects, dermal	4.2 mg/kg bodyweight/day	
Long-term - local effects, inhalation	14.7 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.6 mg/l	
PNEC aqua (marine water)	0.06 mg/l	
PNEC aqua (intermittent, freshwater)	1.5 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	8.27 mg/kg dwt	
PNEC sediment (marine water)	0.83 mg/kg dwt	
PNEC (Soil)		
PNEC soil	1.3 mg/kg dwt	

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4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
PNEC (STP)		
PNEC sewage treatment plant	27.5 mg/l	
2-methoxy-1-methylethyl acetate (108-65-6)		
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	550 mg/m³	
Long-term - systemic effects, dermal	796 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	275 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	36 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	33 mg/m³	
Long-term - systemic effects, dermal	320 mg/kg bodyweight/day	
Long-term - local effects, inhalation	33 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.635 mg/l	
PNEC aqua (marine water)	0.0635 mg/l	
PNEC aqua (intermittent, freshwater)	6.35 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	3.29 mg/kg dwt	
PNEC sediment (marine water)	0.329 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.29 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	100 mg/l	
hydrocarbons, C9, aromatics (64742-95-6)		
DNEL/DMEL (Workers)		
Long-term - local effects, dermal	25 mg/kg bw/day	
Long-term - systemic effects, inhalation	150 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	11 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	32 mg/m³	
Long-term - systemic effects, dermal	11 mg/kg bodyweight/day	
Xylene (1330-20-7)		
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	289 mg/m³	
Acute - local effects, inhalation	289 mg/m³	
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	77 mg/m³	
Long-term - local effects, inhalation	77 mg/m³	

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Xylene (1330-20-7)			
DNEL/DMEL (General population)			
Acute - systemic effects, inhalation	174 mg/m³		
Acute - local effects, inhalation	174 mg/m³		
Long-term - systemic effects,oral	1.6 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	14.8 mg/m³		
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day		
Long-term - local effects, inhalation	65.3 mg/m³		
PNEC (Water)			
PNEC aqua (freshwater)	0.327 mg/l		
PNEC aqua (marine water)	0.327 mg/l		
PNEC aqua (intermittent, freshwater)	0.327 mg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	12.46 mg/kg dwt		
PNEC sediment (marine water)	12.46 mg/kg dwt		
PNEC (Soil)			
PNEC soil	2.31 mg/kg dwt		
PNEC (STP)			
PNEC sewage treatment plant	6.58 mg/l		
ethylbenzene (100-41-4)			
DNEL/DMEL (Workers)			
Acute - local effects, inhalation	293 mg/m³		
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	77 mg/m³		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	1.6 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	15 mg/m³		
PNEC (Water)			
PNEC aqua (freshwater)	0.1 mg/l		
PNEC aqua (marine water)	0.01 mg/l		
PNEC aqua (intermittent, freshwater)	0.1 mg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	13.7 mg/kg dwt		
PNEC sediment (marine water)	1.37 mg/kg dwt		
PNEC (Soil)			
PNEC soil	2.68 mg/kg dwt		
PNEC (Oral)			
PNEC oral (secondary poisoning)	0.02 g/kg food		
PNEC (STP)			
PNEC sewage treatment plant	9.6 mg/l		

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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Gas mask. Gloves. Protective clothing. Safety glasses.

Personal protective equipment symbol(s):









8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Other skin protection

Materials for protective clothing:

Impermeable clothing

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Air-fed respiratory protective equipment should be worn when this product is sprayed

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Black.

Appearance : Viscous. Liquid. Odour : aromatic. Odour threshold : Not available Melting point : Not available Freezing point : Not available Boiling point : Not available Flammability : Not applicable Explosive limits : Not available Lower explosion limit : Not available : Not available Upper explosion limit : 27 °C Flash point

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Auto-ignition temperature : Not available
Decomposition temperature : Not available
pH : Not available
Viscosity, kinematic : 1237.624 mm²/s
Viscosity, dynamic : 1250 (1150 – 1350) cP

Solubility : insoluble in water. soluble in most organic solvents.

Partition coefficient n-octanol/water (Log Kow)

Support pressure

Vapour pressure at 50 °C

Density

Relative density

Relative vapour density at 20 °C

Particle size

Not available

Not available

Not available

Not available

: Not applicable Particle size : Not applicable Particle size distribution : Not applicable Particle shape : Not applicable Particle aspect ratio Particle aggregation state : Not applicable Particle agglomeration state : Not applicable Particle specific surface area : Not applicable Particle dustiness : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 403 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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n-butyl acetate (123-86-4)		
LD50 oral rat	10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	> 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat)	
LC50 Inhalation - Rat [ppm]	390 ppm/4h	
LC50 Inhalation - Rat (Vapours)	> 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours)	
4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)	
LD50 oral rat	2080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1,91 - 2,27	
LD50 dermal rat	≥ 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat (Vapours)	10 – 20 mg/l/4h	
2-methoxy-1-methylethyl acetate (108-65-6)		
LD50 oral rat	6190 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat [ppm]	1728 ppm/4h (4 h, OECD Guideline 403 (Acute Inhalation Toxicity), rat, male/female, Inhalation, vapours)	
reaction mass of ethylbenzene, m-xylene and p-xylene		
LD50 oral rat	3523 mg/kg (EU Method B.1 (Acute Toxicity (Oral), rat, male)	
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male	
LC50 Inhalation - Rat [ppm]	6350 ppm/4h (4 h, EU Method B.2 (Acute Toxicity (Inhalation)), rat, male, Inhalation, vapours)	
dibutyltin dilaurate (77-58-7)		
LD50 oral rat	2071 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1207 - 5106	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))	
hydrocarbons, C9, aromatics (64742-95-6)		
LD50 oral rat	8400 ml/kg	
LD50 dermal rabbit	3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female	
LC50 Inhalation - Rat [ppm]	3400 ppm/4h	
LC50 Inhalation - Rat (Vapours)	> 5 mg/l/4h	
Xylene (1330-20-7)		
LD50 oral rat	3523 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days)	

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Xylene (1330-20-7)		
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male	
LC50 Inhalation - Rat [ppm]	6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male)	
cellulose acetate butyrate (9004-36-8)		
LD50 oral rat	> 3200 mg/kg	
LD50 dermal	> 1000 mg/kg (Guinea pig)	
ethylbenzene (100-41-4)		
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal)	
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))	
octamethylcyclotetrasiloxane (556-67-2)		
LD50 oral rat	> 4800 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LD50 dermal rat	> 2400 mg/kg bodyweight (Equivalent or similar to OECD 402, Rat, Male / female, Experimental value, Dermal)	
LC50 Inhalation - Rat	36 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)	
decamethylcyclopentasiloxane (541-02-6)		
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LC50 Inhalation - Rat	8.67 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OTS 798.1150 (Acute inhalation toxicity), 95% CL: 7,3 - 10,32	
Dodecamethylcyclohexasiloxane (540-97-6)		
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
	Causes skin irritation.	
	Causes serious eye irritation.	
	Not classified Not classified	
· .	Suspected of causing cancer.	
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
IARC group	2B - Possibly carcinogenic to humans	
reaction mass of ethylbenzene, m-xylene and	p-xylene	
IARC group	2B - Possibly carcinogenic to humans	
Xylene (1330-20-7)		
IARC group	3 - Not classifiable	
Reproductive toxicity :	Not classified	
dibutyltin dilaurate (77-58-7)		
NOAEL (animal/male, F0/P)	1.9 – 2.3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)	

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dibutyltin dilaurate (77-58-7)		
NOAEL (animal/female, F0/P)	1.7 – 2.4 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)	
hydrocarbons, C9, aromatics (64742-95-6)		
NOAEL (animal/male, F0/P)	7500 mg/kg	
NOAEL (animal/female, F0/P)	7500 mg/kg	
STOT-single exposure :	May cause drowsiness or dizziness. May cause respiratory irritation.	
n-butyl acetate (123-86-4)		
STOT-single exposure	May cause drowsiness or dizziness.	
4-methylpentan-2-one; isobutyl methyl keton	e (108-10-1)	
STOT-single exposure	May cause drowsiness or dizziness.	
reaction mass of ethylbenzene, m-xylene and	l p-xylene	
STOT-single exposure	May cause respiratory irritation.	
dibutyltin dilaurate (77-58-7)		
STOT-single exposure	Causes damage to organs (thymus).	
hydrocarbons, C9, aromatics (64742-95-6)		
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.	
Xylene (1330-20-7)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure :	Not classified	
4-methylpentan-2-one; isobutyl methyl keton	e (108-10-1)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)	
NOAEC (inhalation, rat, vapour, 90 days)	4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)	
2-methoxy-1-methylethyl acetate (108-65-6)		
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)	
reaction mass of ethylbenzene, m-xylene and p-xylene		
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)	
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight/day (OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), female)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
dibutyltin dilaurate (77-58-7)		
STOT-repeated exposure	Causes damage to organs (thymus) through prolonged or repeated exposure.	

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hydrocarbons, C9, aromatics (64742-95-6)		
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight/day	
NOAEC (inhalation, rat, vapour, 90 days)	900 – 1800 mg/m³	
Xylene (1330-20-7)		
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
ethylbenzene (100-41-4)		
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)	
STOT-repeated exposure	May cause damage to organs (hearing sense) through prolonged or repeated exposure.	
decamethylcyclopentasiloxane (541-02-6)		
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)	
NOAEL (dermal, rat/rabbit, 90 days)	≥ 1600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)	
Dodecamethylcyclohexasiloxane (540-97-6)		
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
Aspiration hazard :	Not classified	
SYSTEM 20 HS SOLID GLOSS BLACK (2:1)		
Viscosity, kinematic	1237.624 mm²/s	

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects. (chronic)

n-butyl acetate (123-86-4)	
LC50 - Fish [1]	18 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	62 mg/l (Leuciscus idus, static system)
EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
ErC50 algae	397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	23 mg/l

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	- Containing to the NEXTOT Regulation (ES) 1001/2000 amended by Regulation (ES) 2020/010		
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)			
LC50 - Fish [1]	> 179 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)		
EC50 - Crustacea [1]	> 200 mg/l Test organisms (species): Daphnia magna		
2-methoxy-1-methylethyl acetate (108-65-6)			
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oryzias latipes		
EC50 - Crustacea [1]	> 500 mg/l Test organisms (species): Daphnia magna		
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)		
ErC50 algae	> 1000 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)		
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC chronic fish	47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'		
reaction mass of ethylbenzene, m-xylene and	p-xylene		
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)		
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia		
EC50 72h - Algae [1]	1.3 mg/l		
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'		
hydrocarbons, C9, aromatics (64742-95-6)			
LC50 - Fish [1]	9.22 mg/l (Oncorhynchus mykiss)		
EC50 - Crustacea [1]	6.14 mg/l 48 h, Daphnia magna		
ErC50 algae	2.9 mg/l		
Xylene (1330-20-7)			
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)		
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia		
EC50 72h - Algae [1]	2.2 mg/l		
ErC50 algae	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)		
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'		

12.2. Persistence and degradability

n-butyl acetate (123-86-4)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.21 g O ₂ /g substance
BOD (% of ThOD)	0.46
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)	
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	2.06 g O ₂ /g substance

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4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
Chemical oxygen demand (COD)	2.16 g O ₂ /g substance	
ThOD	2.72 g O₂/g substance	
2-methoxy-1-methylethyl acetate (108-65-6)		
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.	
hydrocarbons, C9, aromatics (64742-95-6)		
Persistence and degradability Readily biodegradable in water.		
Xylene (1330-20-7)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	

12.3. Bioaccumulative potential

n-butyl acetate (123-86-4)		
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 $^{\circ}\text{C})$	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
Partition coefficient n-octanol/water (Log Pow)	1.9 (Experimental value, Equivalent or similar to OECD 117, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
2-methoxy-1-methylethyl acetate (108-65-6)		
Partition coefficient n-octanol/water (Log Pow)	1.2 (Experimental value, Equivalent or similar to OECD 117, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
Xylene (1330-20-7)		
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Readacross)	
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	

12.4. Mobility in soil

n-butyl acetate (123-86-4)		
Surface tension	61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
Surface tension	No data available in the literature	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.008 (log Koc, Weight of evidence, Calculated value)	
Ecology - soil	Low potential for adsorption in soil.	
2-methoxy-1-methylethyl acetate (108-65-6)		
Surface tension	29.4 mN/m (20 °C, 100 vol %, EU Method A.5: Surface tension)	

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2-methoxy-1-methylethyl acetate (108-65-6)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.602 – 1.079 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	
Xylene (1330-20-7)		
Surface tension	28.01 – 29.76 mN/m (25 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)	
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.	

12.5. Results of PBT and vPvB assessment

Component	
n-butyl acetate (123-86-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-methoxy-1-methylethyl acetate (108-65-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Xylene (1330-20-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
4-methylpentan-2-one; isobutyl methyl ketone (108- 10-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

 UN-No. (ADR)
 : UN 1263

 UN-No. (IMDG)
 : UN 1263

 UN-No. (IATA)
 : UN 1263

 UN-No. (ADN)
 : UN 1263

 UN-No. (RID)
 : UN 1263

14.2. UN proper shipping name

Proper Shipping Name (ADR) : PAINT
Proper Shipping Name (IMDG) : PAINT
Proper Shipping Name (IATA) : Paint
Proper Shipping Name (ADN) : PAINT

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Proper Shipping Name (RID) : PAINT

Transport document description (ADR)

Transport document description (IMDG)

Transport document description (IMTA)

Transport document description (IATA)

Transport document description (ADN)

Transport document description (RID)

Transport document description (RID)

UN 1263 PAINT, 3, III

Transport document description (RID)

UN 1263 PAINT, 3, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3



IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3



ADN

Transport hazard class(es) (ADN) : 3
Danger labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3



14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : No

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1

Special provisions (ADR) : 163, 367, 650

Limited quantities (ADR) : 5I Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions : TP1, TP29

(ADR)

Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30

Orange plates :

30 1263

Tunnel restriction code (ADR) : D/E EAC code : •3YE

Transport by sea

Special provisions (IMDG) : 163, 223, 367, 955

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P001, LP01 Special packing provisions (IMDG) : PP1 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) T2 Tank special provisions (IMDG) TP1, TP29 EmS-No. (Fire) : F-E

Ems-No. (Fire) : F-E
Ems-No. (Spillage) : S-E
Stowage category (IMDG) : A

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 CAO max net quantity (IATA) : 220L Special provisions (IATA) : A3, A72, A192

ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1

Special provisions (ADN) : 163, 367, 650

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Rail transport

Classification code (RID) : F1

Special provisions (RID) : 163, 367, 650

Limited quantities (RID) : 5L Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T2
Portable tank and bulk container special provisions : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 30

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description	
3(a)	SYSTEM 20 HS SOLID GLOSS BLACK (2:1); n- butyl acetate; hydrocarbons, C9, aromatics; Xylene; isobutyl methyl ketone; 2- methoxy-1-methylethyl acetate; reaction mass of ethylbenzene, m-xylene and p-xylene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	
3(b)	SYSTEM 20 HS SOLID GLOSS BLACK (2:1); n- butyl acetate; hydrocarbons, C9, aromatics; Xylene; isobutyl methyl ketone; reaction mass of ethylbenzene, m-xylene and p-xylene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	
3(c)	SYSTEM 20 HS SOLID GLOSS BLACK (2:1); hydrocarbons, C9, aromatics	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	

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EU restriction list (REACH Annex XVII)			
Reference code	Applicable on	Entry title or description	
40.	SYSTEM 20 HS SOLID GLOSS BLACK (2:1); n- butyl acetate; hydrocarbons, C9, aromatics; Xylene; isobutyl methyl ketone; 2- methoxy-1-methylethyl acetate; reaction mass of ethylbenzene, m-xylene and p-xylene		

Contains no substance on the REACH candidate list ≥ 0,1 % / SCL

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : 403 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BLV	Biological limit value	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
EC-No.	European Community number	
EN	European Standard	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	

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Abbreviations and acronyms:		
NOEC	No-Observed Effect Concentration	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
WGK	Water Hazard Class	

Full text of H- and EUH-statements:			
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4		
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		
Carc. 2	Carcinogenicity, Category 2		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 2	Flammable liquids, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
H225	Highly flammable liquid and vapour.		
H226	Flammable liquid and vapour.		
H304	May be fatal if swallowed and enters airways.		
H312	Harmful in contact with skin.		
H315	Causes skin irritation.		
H319	Causes serious eye irritation.		
H332	Harmful if inhaled.		
H335	May cause respiratory irritation.		
H336	May cause drowsiness or dizziness.		
H351	Suspected of causing cancer.		
H373	May cause damage to organs through prolonged or repeated exposure.		
H411	Toxic to aquatic life with long lasting effects.		
H412	Harmful to aquatic life with long lasting effects.		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2		
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis		

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