SAFETY DATA SHEET according to regulation 1907/2006

Product name: 7080-A-1

Creation date: 13.11.2006, Revision: 14.06.2022, version: 3.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name
7080-A-1

UFI:
AJ10-Q0WU-T00X-RG99

https://my.chemius.net/p/WlamZ2/en/pd/en

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

Relevant identified uses
Varnish.

Uses advised against
No information.

1.3 Details of the supplier of the safety data sheet

Manufacturer
SILCO, D.O.O.
Šentrupert 5 a
3303 Gomilsko, Slovenia
+386 3 703 3180
msds@silco.si

1.4 Emergency Telephone Number

Emergency
112

Manufacturer
+386 3 703 3180

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)
Flam. Liq. 2; H225 Highly flammable liquid and vapour.
Skin Irrit. 2; H315 Causes skin irritation.
Skin Sens. 1A; H317.1A May cause an allergic skin reaction.
Eye Dam. 1; H318 Causes serious eye damage.
STOT SE 3; H335 May cause respiratory irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

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

Signal word: Danger

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
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.
H412 Harmful to aquatic life with long lasting effects.
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/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P370 + P378 In case of fire: Use powder for extinction.
P403 + P235 Store in a well-ventilated place. Keep cool.

Contains:
xylene
n-butyl acetate
ethyl acetate
ethyl methyl ketone
reaction mass of ethylbenzene and m-xylene and p-xylene
butan-1-ol
2-methylpropan-1-ol
maleic anhydride

Special provisions
For professional use only.

2.3 Other hazards

The substances in the mixture are not classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	Notes for substances
xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	30-<40	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373 Aquatic Chronic 3; H412	/	C

n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	12.5-<15	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	/	/
ethyl acetate	141-78-6 205-500-4 607-022-00-5 01-2119457610-43	3-<5	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	/	/
aluminium powder (stabilised)	7429-90-5 231-072-3 013-002-00-1 01-2119529243-45	3-<5	Flam. Sol. 1; H228.1 Water-react. 2; H261.2	/	T
ethyl methyl ketone	78-93-3 201-159-0 606-002-00-3 01-2119457290-43	3-<5	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	/	/
reaction mass of ethylbenzene and m-xylene and p-xylene	- 905-562-9 -	3-<5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373	/	/
2-butoxyethanol	111-76-2 203-905-0 603-014-00-0 01-2119475108-36	2.5-<3	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332	/	/
butan-1-ol	71-36-3 200-751-6 603-004-00-6 01-2119484630-38	1-<2.5	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336	/	/
2-methylpropan-1-ol	78-83-1 201-148-0 603-108-00-1 01-2119484609-23	1-<2.5	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336	/	/
hydrocarbons, C10-C13 n-alkanes, Isoalkanes, cyclic, <2% aromatics	- 918-481-9 - 01-2119457273-39	1-<2.5	Asp. Tox. 1; H304 EUH066	/	/
hydrocarbons, C9, aromatic	128601-23-0 918-668-5 - 01-2119455851-35	0.5-<1	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH066	/	/
propan-2-ol	67-63-0 200-661-7 603-117-00-0 01-2119457558-25	0.1-<0.3	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	/	/
ethanol	64-17-5 200-578-6 603-002-00-5	0.01-<0.1	Flam. Liq. 2; H225	/	/
ethylbenzene	100-41-4 202-849-4 601-023-00-4 01-2119489370-35	0.01-<0.1	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373 Aquatic Chronic 3; H412	/	/
di-isobutyl ketone	108-83-8 203-620-1 606-005-00-X	<0.01	Flam. Liq. 3; H226 STOT SE 3; H335	STOT SE 3; H335; C ≥ 10%	/
maleic anhydride	108-31-6 203-571-6 607-096-00-9 01-2119472428-31	<0.01	Acute Tox. 4; H302 Skin Corr. 1B; H314.1B Skin Sens. 1A; H317.1A Eye Dam. 1; H318 Resp. Sens. 1; H334 STOT RE 1; H372 EUH071	Skin Sens. 1A; H317.1A; C ≥ 0.001%	/

Notes for substances

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.
T	This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

SECTION 4: FIRST AID MEASURES

4.1 First aid measures

General notes

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

Following inhalation

Remove patient to fresh air - move out of dangerous area. Obtain professional medical help! If breathing is irregular or respiratory arrest occurs provide artificial respiration. Seek medical help immediately. In case of unconsciousness bring patient into stable side position and seek medical attention.

Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If irritation of skin persists seek medical attention. Wash contaminated clothes and shoes before reuse.

Following eye contact

Immediately rinse eyes with running water, also under the eyelids. Protect the undamaged eye. Consult a physician immediately!

Following ingestion

Do not induce vomiting! In case of doubt or if feeling unwell seek medical help. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Vapours may cause drowsiness and dizziness. Can cause irritation of respiratory system. Coughing, sneezing, nasal discharge, labored breathing.

Following skin contact

May cause sensitisation by skin contact (itching, redness, rashes). Irritating to the skin. Itching, redness, pain.

Following eye contact

On contact with eyes causes serious damage. Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.

Following ingestion

May cause abdominal discomfort. May cause nausea/vomiting and diarrhea. Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

4.3 Indication of any immediate medical attention and special treatment needed

No information.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Fire extinguishing powder.

Unsuitable extinguishing media

No special precautions required.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO_2). Smoke.

5.3 Advice for firefighters

Protective actions

In case of fire evacuate the area. In case of fire or heating do not breathe fumes/vapours. Cool the endangered containers with water spray. Move undamaged containers from immediate hazard area if it can be done safely. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Full protective clothing and self-contained breathing apparatus.

Additional information

Contaminated extinguishing agents must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Refer to protective measures listed in Sections 7 and 8. Use personal protective equipment (Section 8). Do not breathe vapours/mist. Use respiratory protective equipment: breathing mask with suitable gas filter or self-contained breathing apparatus.

Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

Emergency procedures

Prevent access to unprotected personnel. Prevent access to unauthorised personnel. Avoid contact with skin and eyes. Do not breathe vapour or mist.

For emergency responders

Use personal protective equipment.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stem the spill if this does not pose risks.

For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Do not absorb spillage with sawdust or other combustible material. Dispose in accordance with applicable regulations (see Section 13). Clean contaminated area with plenty of water. Collect and dispose of contaminated washing water.

OTHER INFORMATION
No information.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire
Ensure adequate ventilation. Protect from open fire and other sources of ignition or heat. Use spark-proof tools. Take precautionary measures against static discharges. Prevent the formation of flammable or explosive concentrations of vapours in the air.

Measures to prevent aerosol and dust generation
Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment
Avoid release to the environment.

Other measures
No information.

Advice on general occupational hygiene
Wear suitable protective equipment; see Section 8. Refer to instructions on label and regulations for safety and health at work. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist. Before making transfer operations, make sure that there aren't any incompatible material residues in the containers. Before entering areas where food is eaten, remove contaminated clothing and protective equipment. Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
Store in accordance with local regulations. Keep in tightly closed container. Keep in cool and well ventilated area. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Storage temperature < 20 °C. Keep in well closed containers.

Packaging materials
No information.

Requirements for storage rooms and vessels
Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

Storage class
No information.

Further information on storage conditions
No information.

7.3 Specific end use(s)

Recommendations
No information.

Industrial sector specific solutions
No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

Name	mg/m³	ml/m³	Short-term value mg/m³	Short-term value ml/m³	Remark	Biological Tolerance Values
Aluminium alkyl compounds	2	/	/	/	/	/
Aluminium salts, soluble	2	/	/	/	/	/
Butan-2-one (methyl ethyl ketone) (78-93-3)	600	200	899	300	Sk, BMGV	70 µmol butan-2-one/L in urine - Post shift 70 µmol butan-2-one/L in urine - Post shift
2-Butoxyethanol (111-76-2)	123	25	246	50	Sk, BMGV	240 mmol butoxyacetic acid/mol creatinine in urine - Post shift 240 mmol butoxyacetic acid/mol creatinine in urine - Post shift
Ethylbenzene (100-41-4)	441	100	552	125	Sk	/
Xylene, o-,m-,p- or mixed isomers (1330-20-7)	220	50	441	100	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
2-Methylpropan-1-ol (78-83-1)	154	50	231	75	/	/
2,6-Dimethylheptan-4-one (108-83-8)	148	25	/	/	/	/
Aluminium metal inhalable dust (7429-90-5)	10	/	/	/	/	/
Aluminium metal respirable dust (7429-90-5)	4	/	/	/	/	/
Butan-1-ol (71-36-3)	/	/	154	50	Sk	/
Butyl acetate (123-86-4)	724	150	966	200	/	/
Ethanol (64-17-5)	1920	1000	/	/	/	/
Ethyl acetate (141-78-6)	734	200	1468	400	/	/
Maleic anhydride (108-31-6)	1	/	3	/	Sen	/
Propan-2-ol (67-63-0)	999	400	1250	500	/	/

Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	value
xylene	Worker	inhalation	short term local effects	/	442 mg/m³

xylene	Consumer	inhalation	short term local effects	/	260 mg/m^3
xylene	Worker	dermal	long term systemic effects	/	212 mg/kg bw/day
xylene	Consumer	dermal	long term systemic effects	/	125 mg/kg bw/day
xylene	Worker	inhalation	long term systemic effects	/	221 mg/m^3
xylene	Consumer	inhalation	long term systemic effects	/	65.3 mg/m^3
xylene	Consumer	oral	long term systemic effects	/	12.5 mg/kg bw/day
xylene	Worker	inhalation	short term systemic effects	/	442 mg/m^3
xylene	Consumer	inhalation	short term systemic effects	/	260 mg/m^3
n-butyl acetate	Worker	inhalation	short term systemic effects	/	600 mg/m^3
n-butyl acetate	Consumer	inhalation	short term systemic effects	/	300 mg/m^3
n-butyl acetate	Worker	inhalation	short term local effects	/	600 mg/m^3
n-butyl acetate	Consumer	inhalation	short term local effects	/	300 mg/m^3
n-butyl acetate	Worker	inhalation	long term systemic effects	/	300 mg/m^3
n-butyl acetate	Consumer	inhalation	long term systemic effects	/	35.7 mg/m^3
n-butyl acetate	Worker	inhalation	long term local effects	/	300 mg/m^3
n-butyl acetate	Consumer	inhalation	long term local effects	/	35.7 mg/m^3
ethyl methyl ketone	Worker	dermal	long term systemic effects	/	1161 mg/kg bw/day
ethyl methyl ketone	Consumer	dermal	long term systemic effects	/	412 mg/kg bw/day
ethyl methyl ketone	Worker	inhalation	long term systemic effects	/	600 mg/m^3
ethyl methyl ketone	Consumer	inhalation	long term systemic effects	/	106 mg/m^3
ethyl methyl ketone	Consumer	oral	long term systemic effects	/	31 mg/kg bw/day
2-butoxyethanol	Worker	dermal	short term systemic effects	/	89 mg/kg bw/day
2-butoxyethanol	Consumer	dermal	short term systemic effects	/	89 mg/kg bw/day
2-butoxyethanol	Worker	inhalation	short term systemic effects	/	1091 mg/m^3
2-butoxyethanol	Consumer	inhalation	short term systemic effects	/	426 mg/m^3
2-butoxyethanol	Worker	inhalation	short term local effects	/	246 mg/m^3
2-butoxyethanol	Consumer	inhalation	short term local effects	/	147 mg/m^3
2-butoxyethanol	Worker	dermal	long term systemic effects	/	125 mg/kg bw/day
2-butoxyethanol	Consumer	dermal	long term systemic effects	/	75 mg/kg bw/day
2-butoxyethanol	Worker	inhalation	long term systemic effects	/	98 mg/m^3
2-butoxyethanol	Consumer	inhalation	long term systemic effects	/	59 mg/m^3
2-butoxyethanol	Consumer	oral	long term systemic effects	/	6.3 mg/kg bw/day
2-methylpropan-1-ol	Worker	inhalation	long term local effects	/	310 mg/m^3
2-methylpropan-1-ol	Consumer	inhalation	long term local effects	/	55 mg/m^3

propan-2-ol	Worker	inhalation	long term systemic effects	/	500 mg/m^3
propan-2-ol	Consumer	inhalation	long term systemic effects	/	89 mg/m^3
propan-2-ol	Consumer	oral	long term systemic effects	/	26 mg/kg bw/day
propan-2-ol	Worker	dermal	long term systemic effects	/	888 mg/kg bw/day
propan-2-ol	Consumer	dermal	long term systemic effects	/	319 mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
xylene	marine water	/	0.327 mg/L
xylene	water, intermittent release	fresh water	0.327 mg/L
xylene	fresh water sediment	dry weight	12.46 mg/kg
xylene	marine water sediment	dry weight	12.46 mg/kg
xylene	soil	dry weight	2.31 mg/kg
xylene	fresh water	/	0.327 mg/L
xylene	water treatment plant	/	6.58 mg/L
n-butyl acetate	fresh water	/	0.18 mg/L
n-butyl acetate	marine water	/	0.018 mg/L
n-butyl acetate	fresh water sediment	dry weight	0.981 mg/kg
n-butyl acetate	marine water sediment	dry weight	0.098 mg/kg
n-butyl acetate	soil	dry weight	0.09 mg/kg
2-butoxyethanol	fresh water	/	8.8 mg/L
2-butoxyethanol	marine water	/	0.88 mg/L
2-butoxyethanol	water treatment plant	/	463 mg/L
2-butoxyethanol	fresh water sediment	dry weight	34.6 mg/kg
2-butoxyethanol	marine water sediment	dry weight	3.46 mg/kg
2-butoxyethanol	soil	dry weight	2.33 mg/kg
2-methylpropan-1-ol	marine water sediment	dry weight	0.156 mg/kg
2-methylpropan-1-ol	soil	dry weight	0.076 mg/kg
2-methylpropan-1-ol	fresh water	/	0.4 mg/L
2-methylpropan-1-ol	marine water	/	0.04 mg/L
2-methylpropan-1-ol	fresh water sediment	dry weight	1.56 mg/kg
propan-2-ol	fresh water	/	140.9 mg/L
propan-2-ol	marine water	/	140.9 mg/L
propan-2-ol	fresh water sediment	dry weight	552 mg/kg
propan-2-ol	soil	dry weight	28 mg/kg
propan-2-ol	water treatment plant	/	2251 mg/L

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Handle in accordance with good industrial hygiene and safety practice. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure
If this product contains ingredients with exposure limits, personal, workplace atmosphere monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protection.

Technical measures to prevent exposure
Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

Personal protective equipment

Eye and face protection
Tight fitting protective goggles (EN 166).

Hand protection
Protective gloves (EN 374).

Appropriate materials

Material	Thickness	Penetration Time	Remark
PVC	/	/	EN 374
Neoprene	/	/	EN 374
Natural rubber	/	/	EN 374

Skin protection
Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). (material: cotton, rubber, PVC, viton);

Respiratory protection
Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

Thermal hazards
No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure
No information.

Instruction measures to prevent exposure
No information.

Organisational measures to prevent exposure
No information.

Technical measures to prevent exposure
Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state
liquid

Colour
gray

Odour
solvent like

Important health, safety and environmental information

Odour threshold	No information.
pH	substance/mixture is non-soluble (in water)
Melting point/Freezing point	No information.
Initial boiling point/boiling range	No information.
Flash point	18 °C
Evaporation rate	No information.
Flammability (solid, gas)	No information.
Explosion limits (vol%)	No information.
Vapour pressure	No information.

Vapour density	> 1
Density / weight	Relative density: 0.94 g/cm^3
Solubility	Water: Insoluble Organic solvent: Soluble
Partition coefficient	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
Viscosity	kinematic: 13 s (Ford 8)
Explosive properties	No information.
Oxidising properties	No information.

9.2 OTHER INFORMATION

Weight organic solvents	656.46 g/l (VOC)

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents. It may catch fire on contact with strong oxidising agents.

10.4 Conditions to avoid

No special precautions required. Consider the directions for use and storage.

10.5 Incompatible materials

Combustible materials.

10.6 Hazardous decomposition products

In case of fire/explosion vapours/gases that pose a health hazard are released.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
xylene	inhalation	LC_{50}	rat	4 h	26 mg/l	/	/

xylene	oral	LD_{50}	mouse	/	3523 mg/kg	/	/
xylene	dermal	LD_{50}	rabbit	/	> 4350 mg/kg	/	/
xylene	oral	LD_{50}	rat	/	5000 mg/kg	/	/
n-butyl acetate	inhalation	LC_{50}	rat	4 h	> 21.2 mg/l	/	/
n-butyl acetate	oral	LD_{50}	rat	/	10760 mg/kg	/	/
n-butyl acetate	dermal	LD_{50}	rabbit	/	> 14000 mg/kg	/	/
n-butyl acetate	oral	LD_{50}	rat	/	10770 mg/kg	/	/
ethyl methyl ketone	oral	LD_{50}	rat	/	> 2000 mg/kg	/	/
ethyl methyl ketone	dermal	LD_{50}	rabbit	/	> 5000 mg/kg	/	/
ethyl methyl ketone	dermal	LD_{50}	rabbit	/	13000 mg/kg	/	/
2-butoxyethanol	oral	LD_{50}	rat	/	> 1414 mg/kg bw/day	/	/
2-butoxyethanol	dermal	LD_{50}	rabbit	/	3000 mg/kg	/	/
2-butoxyethanol	inhalation	LC_{50}	rat	4 h	10 mg/l	/	/
2-butoxyethanol	oral	LD_{50}	rabbit	/	320 mg/kg	/	/
butan-1-ol	oral	LD_{50}	rat	/	790 mg/kg	/	/
butan-1-ol	dermal	LD_{50}	rabbit	/	3400 mg/kg	/	/
butan-1-ol	inhalation	LC_{50}	rat	/	24.24 mg/l	/	/
2-methylpropan-1-ol	inhalation	LC_{50}	rat	6 h	> 18.18 mg/l	/	/
2-methylpropan-1-ol	oral	LD_{50}	rat	/	≥ 2460 mg/kg	/	/
2-methylpropan-1-ol	dermal	LD_{50}	rabbit	/	> 2460 mg/kg	/	/
propan-2-ol	oral	LD_{50}	rat	/	5840 mg/kg	/	/
propan-2-ol	dermal	LD_{50}	rat	/	13900 mg/kg	/	/
propan-2-ol	inhalation	LC_{50}	rat	/	> 25000 mg/m^3	/	/

Additional information

The product is not classified for acute toxicity.

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
2-butoxyethanol	/	/	Irritating.	/	/
2-methylpropan-1-ol	/	/	Irritating.	/	/
propan-2-ol	rabbit	/	No irritant effect.	/	/

Additional information

Causes skin irritation.

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
2-butoxyethanol	/	/	/	Irritating.	/	/
2-methylpropan-1-ol	/	/	/	Irritating.	/	/
propan-2-ol	/	rabbit	/	Non-irritant.	/	/

Additional information

Causes serious eye irritation.

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
2-butoxyethanol	dermal	/	/	Negative.	/	/
propan-2-ol	dermal	/	/	Negative.	/	/

Additional information

May cause an allergic skin reaction.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

For components

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
2-butoxyethanol	/	/	/	/	/	Negative.	/	Ames test

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

No information.

Additional information

May cause respiratory irritation. May cause drowsiness or dizziness.

(i) STOT-repeated exposure

No information.

Additional information

May cause damage to organs through prolonged or repeated exposure.

(j) Aspiration hazard

No information.

Additional information

Aspiration hazard: Not classified.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
xylene	EC_{50}	1 mg/L	24 h	crustacea	*Daphnia*	/	/
xylene	EC_{50}	4.36 mg/L	73 h	algae	/	/	/
xylene	LC_{50}	2.6 mg/L	96 h	fish	/	/	/
xylene	NOEC	0.44 mg/L	73 h	algae	/	/	/
n-butyl acetate	LC_{50}	62 mg/L	96 h	fish	/	/	/
n-butyl acetate	EC_{50}	205 mg/L	48 h	crustacea	*Daphnia*	/	/
2-butoxyethanol	LC_{50}	1490 mg/L	96 h	fish	/	/	/
2-butoxyethanol	EC_{50}	1700 mg/L	48 h	crustacea	*Daphnia*	/	/
propan-2-ol	EC_{50}	1001 mg/L	75 h	algae	/	/	/
propan-2-ol	LC_{50}	9640 mg/L	96 h	fish	/	/	/
propan-2-ol	EC_{50}	13299 mg/L	48 h	crustacea	*Daphnia*	/	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark

xylene	NOEC	1.57 mg/l	21 days	crustacea	*Daphnia*	/	/
xylene	NOEC	56 mg/l	56 days	fish	/	/	/

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
xylene	-	/	/	readily biodegradable	/	/
n-butyl acetate	biodegradability	83 %	28 days	readily biodegradable	/	/
2-butoxyethanol	biodegradability	/	/	readily biodegradable	/	/
2-methylpropan-1-ol	biodegradability	/	/	readily biodegradable	/	/

12.3 Bioaccumulative potential

Partition coefficient

No information.

Bioconcentration factor (BCF)

No information.

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

No information.

12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

No information.

12.7 Additional information

For product

Harmful to aquatic life with long lasting effects. Handle in accordance with good working practices so that the product is not released into the environment. Do not use when plants are in flower: the product is toxic for bees.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Recycle, if possible. Dispose of in accordance with applicable waste disposal regulation. Suitable for incineration in approved incinerators or appropriate, authorized disposal plants. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

No information.

Packaging

Recycle if possible. Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number			
UN 1263	UN 1263	UN 1263	UN 1263
14.2 UN proper shipping name			
PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)			
3	3	3	3
			
14.4 Packing group			
III	III	III	III
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			

Limited quantities 5 L Special provisions 163, 367, 650 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Transport category 3 Tunnel restriction code (D/E)	Limited quantities 5 L EmS F-E, S-E Flash point 18 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y344 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 10 L Packing Instructions (Pkg Inst) 355 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 366 Special provisions A3, A72, A192 ERG code 3L	Limited quantities 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code			
Goods may not be carried in bulk in bulk containers, containers or vehicles.	Goods may not be carried in bulk in bulk containers, containers or vehicles.	Not given/not applicable	Not given/not applicable

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)
not applicable

Regulation EC 648/2004 on detergents
No information.

Special instructions
Volatile CMR substances = 0.00% Halogenated volatile organic compounds classified as R40 = 0.00% Organic carbon - C = 0,53. Seveso P5c: FLAMMABLE LIQUIDS. Organic carbon - C = 0,49. Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Terms of restriction: 3, 40. Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Terms of restriction: 75.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes
2.1 Classification of the substance or mixture 2.2 Label elements 3.2 Mixtures 4.1 First aid measures 4.2 Most important symptoms and effects, both acute and delayed 7.2 Conditions for safe storage, including any incompatibilities 8.1 Control parameters 8.2 Exposure controls 11.1 Information on toxicological effects 12.1 Toxicity 12.2 Persistence and degradability 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Key literature references and sources for data
No information.

Abbreviations and acronyms
ATE - Acute Toxicity Estimate
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity

(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H228 Flammable solid.
H261 In contact with water releases flammable gases.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
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.

- ☑ Provided correct labelling of the product
- ☑ Compliance with the local legislation
- ☑ Provided correct classification of the product
- ☑ Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.