

SAFETY DATA SHEET according to regulation 1907/2006

silco[®]**Product name: 20.171 Unimix Green****Creation date: 22.02.2021, Revision: 08.04.2021, version: 1.0**

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

1.1 Product identifier

Product name

20.171 Unimix Green

Product code

20.171

UFI:

4SUS-W114-E00A-Q8YG

<https://my.chemius.net/p/TV4kYP/en/pd/en>

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

Relevant identified uses

No information.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Supplier

SILCO d.o.o.

Sentrupert 5a

3303 Gomilsko, Slovenia

00386 3 703 3180

n.cvilak@silco.si

1.4 Emergency Telephone Number

Emergency

National Poisons Information Centre: (01) 809 2166

Supplier

00386 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. 3; H226 Flammable liquid and vapour.

2.2 Label elements

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

**Signal word: Warning**

H226 Flammable liquid and vapour.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P308 + P313 IF exposed or concerned: Get medical advice/attention.

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

P501 Dispose of contents/container in accordance with national regulation.

Contains:

Low boiling point naphtha - unspecified

2.3 Other hazards

No information.

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 |
|---|--|-------|---|-----------------------|----------------------|
| 1-methoxy-2-propylacetate | 108-65-6 203-603-9 607-195-00-7 | 35-40 | Flam. Liq. 3; H226 | / | / |
| Low boiling point naphtha - unspecified | 64742-95-6 265-199-0 649-356-00-4 | 2.5-5 | Asp. Tox. 1; H304 Muta. 1B; H340.1B Carc. 1B; H350.1B | / | P |
| Xylene (mixture of isomers) | 1330-20-7 215-535-7 601-022-00-9 01-2119488216-32 | 0.1-1 | Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332 | / | / |
| ethylbenzene | 100-41-4 202-849-4 601-023-00-4 01-2119489370-35 | 0.1-1 | Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373 | / | / |

Notes for substances

| | |
|----------|--|
| P | <p>The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7).</p> <p>When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260- P262-P301 + P310-P331 shall apply.</p> <p>This note applies only to certain complex oil-derived substances in Part 3.</p> |
|----------|--|

SECTION 4: FIRST AID MEASURES

4.1 First aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing with water before removing or use gloves.

Following inhalation

Remove patient to fresh air - move out of dangerous area. Obtain professional medical help!

Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. If symptoms develop and persist, seek medical attention.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult a physician. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Following skin contact

Contact with skin may cause irritation (redness, itching).

Following eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

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

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

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.

5.3 Advice for firefighters

Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

No information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

No information.

Precautionary measures

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

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

For emergency responders

Use personal protective equipment.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant 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. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of 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. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with 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

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8. Avoid exposure - obtain special instructions before using.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

Packaging materials

Store only in original container.

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

No information.

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 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents.

DNEL/DMEL values

For product

No information.

For components

| NAME | TYPE | EXPOSURE ROUTE | EXP. FREQUENCY | REMARK | VALUE |
|---|----------|----------------|-----------------------------|--------|------------------------|
| Low boiling point naphtha - unspecified | Consumer | oral | long term systemic effects | / | mg/kg |
| Low boiling point naphtha - unspecified | Consumer | inhalation | long term systemic effects | / | mg/m ³ |
| Low boiling point naphtha - unspecified | Consumer | dermal | long term systemic effects | / | mg/kg |
| Low boiling point naphtha - unspecified | Worker | inhalation | long term systemic effects | / | mg/m ³ |
| Low boiling point naphtha - unspecified | Worker | dermal | long term systemic effects | / | mg/kg |
| Xylene (mixture of isomers) | Worker | inhalation | long term systemic effects | / | 221 mg/m ³ |
| Xylene (mixture of isomers) | Worker | inhalation | short term systemic effects | / | 442 mg/m ³ |
| Xylene (mixture of isomers) | Worker | inhalation | long term local effects | / | 221 mg/m ³ |
| Xylene (mixture of isomers) | Worker | inhalation | short term local effects | / | 442 mg/m ³ |
| Xylene (mixture of isomers) | Worker | dermal | long term systemic effects | / | 212 mg/kg bw/day |
| Xylene (mixture of isomers) | Consumer | inhalation | long term systemic effects | / | 65.3 mg/m ³ |
| Xylene (mixture of isomers) | Consumer | inhalation | short term systemic effects | / | 260 mg/m ³ |
| Xylene (mixture of isomers) | Consumer | inhalation | long term local effects | / | 65.3 mg/m ³ |
| Xylene (mixture of isomers) | Consumer | inhalation | short term local effects | / | 260 mg/m ³ |
| Xylene (mixture of isomers) | Consumer | dermal | long term systemic effects | / | 125 mg/kg bw/day |
| Xylene (mixture of isomers) | Consumer | oral | long term systemic effects | / | 12.5 mg/kg bw/day |
| ethylbenzene | Worker | inhalation | long term systemic effects | / | 77 mg/m ³ |
| ethylbenzene | Worker | inhalation | short term local effects | / | 293 mg/m ³ |
| ethylbenzene | Worker | dermal | long term systemic effects | / | 180 mg/kg bw/day |
| ethylbenzene | Consumer | inhalation | long term systemic effects | / | 15 mg/m ³ |
| ethylbenzene | Consumer | oral | long term systemic effects | / | 1.6 mg/kg bw/day |

PNEC values

For product

No information.

For components

| NAME | EXPOSURE ROUTE | REMARK | VALUE |
|---|----------------------|--------|-------|
| Low boiling point naphtha - unspecified | fresh water | / | mg/L |
| Low boiling point naphtha - unspecified | marine water | / | mg/L |
| Low boiling point naphtha - unspecified | fresh water sediment | / | mg/kg |

| | | | |
|---|-----------------------------|------------|-------------|
| Low boiling point naphtha - unspecified | marine water sediment | / | mg/kg |
| Xylene (mixture of isomers) | fresh water | / | 0.327 mg/L |
| Xylene (mixture of isomers) | water, intermittent release | / | 0.327 mg/L |
| Xylene (mixture of isomers) | marine water | / | 0.327 mg/L |
| Xylene (mixture of isomers) | water treatment plant | / | 6.58 mg/L |
| Xylene (mixture of isomers) | fresh water sediment | dry weight | 12.46 mg/kg |
| Xylene (mixture of isomers) | marine water sediment | dry weight | 12.46 mg/kg |
| Xylene (mixture of isomers) | soil | dry weight | 2.31 mg/kg |
| ethylbenzene | fresh water | / | 0.1 mg/L |
| ethylbenzene | water, intermittent release | / | 0.1 mg/L |
| ethylbenzene | marine water | / | 0.01 mg/L |
| ethylbenzene | water treatment plant | / | 9.6 mg/L |
| ethylbenzene | fresh water sediment | dry weight | 13.7 mg/kg |
| ethylbenzene | marine water sediment | dry weight | 1.37 mg/kg |
| ethylbenzene | soil | dry weight | 2.68 mg/kg |
| ethylbenzene | secondary poisoning | food | 0.02 g/kg |

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

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

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

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

Safety glasses with side protection (EN 166).

Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012).

At high risk of skin exposure chemical suits (EN ISO 6530:2005) and boots may be required (EN ISO 20345:2012).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard EN 137, EN 138.

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

green

Odour

No information.

Important health, safety and environmental information

| | |
|-------------------------------------|------------------------------|
| Odour threshold | No information. |
| pH | 7 at 20 °C, conc. 100 % |
| Melting point/Freezing point | No information. |
| Initial boiling point/boiling range | No information. |
| Flash point | No information. |
| Evaporation rate | No information. |
| Flammability (solid, gas) | No information. |
| Explosion limits (vol%) | No information. |
| Vapour pressure | No information. |
| Vapour density | No information. |
| Density / weight | Density: 1 g/cm ³ |
| Solubility | No information. |
| Partition coefficient | No information. |
| Auto-ignition temperature | No information. |
| Decomposition temperature | No information. |

| | |
|----------------------|-----------------|
| Viscosity | No information. |
| Explosive properties | No information. |
| Oxidising properties | No information. |

9.2 OTHER INFORMATION

| | |
|-------------------------|----------------|
| Solids content | 0 % 0 vol % |
| Weight organic solvents | 0 g/l |

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

10.5 Incompatible materials

Oxidants.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. 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 |
|----------------------------|----------------|------------------|---------|------|------------|--------|--------|
| 1-methoxy-2- propylacetate | oral | LD ₅₀ | rat | / | 8530 mg/kg | / | / |

| | | | | | | | |
|---|----------------------|------------------|--------|-----|--------------|---|-----|
| 1-methoxy-2- propylacetate | dermal | LD ₅₀ | rat | / | > 5000 mg/kg | / | / |
| Low boiling point naphtha - unspecified | oral | LD ₅₀ | rat | / | > 6800 mg/kg | / | / |
| Low boiling point naphtha - unspecified | dermal | LD ₅₀ | rabbit | / | > 3400 mg/kg | / | / |
| Low boiling point naphtha - unspecified | inhalation | LC ₅₀ | rat | 4 h | > 10.2 mg/l | / | / |
| Xylene (mixture of isomers) | oral | LD ₅₀ | rat | / | > 3523 mg/kg | / | / |
| Xylene (mixture of isomers) | dermal | LD ₅₀ | rabbit | / | 4200 mg/kg | / | / |
| Xylene (mixture of isomers) | inhalation (vapours) | LC ₅₀ | rat | 4 h | 29 mg/l | / | / |
| ethylbenzene | dermal | LD ₅₀ | rabbit | / | 17800 mg/kg | / | / |
| ethylbenzene | oral | LD ₅₀ | rat | / | 3500 mg/kg | / | / |
| ethylbenzene | inhalation | LC ₅₀ | / | 4 h | 11 mg/l | / | ATE |

Additional information

The product is not classified for acute toxicity.

(b) Skin corrosion/irritation

No information.

Additional information

The product is not classified as irritating to skin and eyes.

(c) Serious eye damage/irritation

For components

| NAME | EXPOSURE ROUTE | SPECIES | TIME | RESULT | METHOD | REMARK |
|---|----------------|---------|------|------------------|--------|--------|
| Low boiling point naphtha - unspecified | / | rabbit | 24 h | Mild irritating. | / | 100 µl |

(d) Respiratory or skin sensitisation

For components

| NAME | EXPOSURE ROUTE | SPECIES | TIME | RESULT | METHOD | REMARK |
|---|----------------|-------------------|------|------------------|----------|------------------------------|
| Low boiling point naphtha - unspecified | dermal | Guinea pig (male) | 6 h | Non sensitising. | OECD 406 | 24, 48 h; Experimental value |

Additional information

The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

For components

| NAME | TYPE | SPECIES | TIME | RESULT | METHOD | REMARK |
|---|-----------------------|------------------------------------|---------|-----------|------------------------|--|
| Low boiling point naphtha - unspecified | in-vitro mutagenicity | mouse (lymphoma L5178Y) | / | Negative. | OECD 476 | experimental value |
| Low boiling point naphtha - unspecified | in-vitro mutagenicity | Bacteria (<i>S. typhimurium</i>) | / | Negative. | OECD 471 (EU B. 12/13) | experimental value |
| Low boiling point naphtha - unspecified | in-vivo mutagenicity | rat (male/female) | 28 days | Negative. | OECD 475 | 5 days a week, 6 hours per day; experimental value |

(f) Carcinogenicity

For components

| NAME | EXPOSURE ROUTE | TYPE | SPECIES | TIME | VALUE | RESULT |
|---|----------------|-------|--------------|-----------|---------|-----------|
| Low boiling point naphtha - unspecified | dermal | NOAEL | mouse (male) | 102 weeks | 0.05 ml | No effect |

(g) Reproductive toxicity

For components

| NAME | TYPE | SPECIES | TIME | VALUE | RESULT | METHOD | REMARK |
|---|--------------|----------------------|----------|---------------------------|-----------|----------|--|
| Low boiling point naphtha - unspecified | NOAEL (P/F1) | rat (female; foetus) | 20 days | 23900 mg/m ³ | No effect | OECD 414 | every day during gestation; experimental value |
| Low boiling point naphtha - unspecified | NOAEC (P/F1) | rat (male/female) | 13 weeks | ≥ 20000 mg/m ³ | No effect | OECD 416 | 6h/day, 7 days/week, Experimental value |
| Low boiling point naphtha - unspecified | NOAEL (F1) | rat (male/female) | 11 weeks | 24700 mg/m ³ | No effect | OECD 421 | 6h/day, 7 days/week, Experimental value |

Summary of evaluation of the CMR properties

May cause heritable genetic damage. May cause cancer. The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

For components

| NAME | EXPOSURE ROUTE | TYPE | SPECIES | TIME | ORGAN | VALUE | RESULT | METHOD | EXPOSURE | REMARK |
|---|----------------|------|---------|------|-------|-------|------------|--------|----------|------------------------------|
| Low boiling point naphtha - unspecified | inhalation | - | / | / | / | / | Category 3 | / | / | Respiratory tract irritation |
| Low boiling point naphtha - unspecified | inhalation | - | / | / | / | / | Category 3 | / | / | narcotic effects |

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

No information.

Additional information

STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

For components

| NAME | RESULT | METHOD | REMARK |
|---|--------------------------------|--------|--------|
| Low boiling point naphtha - unspecified | ASPIRATION HAZARD - Category 1 | / | / |

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 |
|---|-------------------|--------------------|---------------|----------------|--|--------|--------|
| Low boiling point naphtha - unspecified | LC ₅₀ | 9.2 mg/L | 96 h | fish | <i>Oncorhynchus mykiss</i> | / | / |
| Low boiling point naphtha - unspecified | EC ₅₀ | 3.2 mg/L | 48 h | <i>Daphnia</i> | <i>Daphnia magna</i> | / | / |
| Low boiling point naphtha - unspecified | ErC ₅₀ | 2.6 - 2.9 mg/L | 72 h | algae | <i>Pseudokirchneriella subcapitata</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 13.4 mg/L | 96 h | fish | <i>Pimephales promelas</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 13.1 - 16.5 mg/L | 96 h | fish | <i>Lepomis macrochirus</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 2661 - 4093 mg/L | 96 h | fish | <i>Oncorhynchus mykiss</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 19 mg/L | 96 h | fish | <i>Lepomis macrochirus</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 30.26 - 40.75 mg/L | 96 h | fish | <i>Poecilia reticulata</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 23.53 - 29.97 mg/L | 96 h | fish | <i>Pimephales promelas</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 7711 - 9591 mg/L | 96 h | fish | <i>Lepomis macrochirus</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 780 mg/L | 96 h | fish | <i>Cyprinus carpio</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | > 780 mg/L | 96 h | fish | <i>Cyprinus carpio</i> | / | / |
| Xylene (mixture of isomers) | LC ₅₀ | 13.5 - 17.3 mg/L | 96 h | fish | <i>Oncorhynchus mykiss</i> | / | / |
| Xylene (mixture of isomers) | EC ₅₀ | 3.82 mg/L | 48 h | daphnia | / | / | / |
| ethylbenzene | EC ₅₀ | 2.1 mg/L | 48 h | <i>Daphnia</i> | / | / | / |

Chronic (long-term) toxicity For components

| NAME | TYPE | VALUE | EXPOSURE TIME | SPECIES | ORGANISM | METHOD | REMARK |
|---|------------------|-----------|---------------|---------|----------------------------|----------|--------|
| Low boiling point naphtha - unspecified | LC ₅₀ | 9.22 mg/l | 96 h | fish | <i>Oncorhynchus mykiss</i> | OECD 203 | / |

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination For components

| NAME | ENVIRONMENT | TYPE / METHOD | HALF TIME | EVALUATION | METHOD | REMARK |
|---|-------------|------------------|-----------|--|--------|--------|
| Low boiling point naphtha - unspecified | Air | photodegradation | / | In the air it is quickly oxidized by photochemical reaction. | / | / |

Biodegradation For components

| NAME | TYPE | RATE | TIME | EVALUATION | METHOD | REMARK |
|---|------------------|--------------|------|-----------------------|--------|--------|
| 1-methoxy-2- propylacetate | Water solubility | > 10000 mg/L | / | / | / | / |
| 1-methoxy-2- propylacetate | biodegradability | / | / | rapidly biodegradable | / | / |
| Low boiling point naphtha - unspecified | biodegradability | / | / | readily biodegradable | / | / |

12.3 Bioaccumulative potential

Partition coefficient
For components

| NAME | MEDIA | VALUE | TEMPERATURE | PH | CONCENTRATION | METHOD |
|---|-------------------------|-------|-------------|----|---------------|--------|
| 1-methoxy-2- propylacetate | Log Pow | 1.2 | / | / | / | / |
| Low boiling point naphtha - unspecified | Octanol-water (log Pow) | > 3 | / | / | / | / |

Bioconcentration factor (BCF)
For components

| NAME | SPECIES | ORGANISM | VALUE | DURATION | EVALUATION | METHOD | REMARK |
|---|---------|----------|-----------|----------|------------|--------|------------------|
| Low boiling point naphtha - unspecified | BCF | / | 10 - 2500 | / | / | BCFWIN | Calculated value |

12.4 Mobility in soil

Known or predicted distribution to environmental compartments
For components

| NAME | AIR | WATER | SOIL | SEDIMENT | (AQUATIC) BIOTA | METHOD | REMARK |
|---|-----|-------|------|----------|-----------------|----------------|------------------|
| Low boiling point naphtha - unspecified | / | / | / | / | / | Mackay level 3 | Calculated value |

Surface tension
No information.

Adsorption/Desorption
For components

| NAME | TYPE | CRITERION | VALUE | EVALUATION | METHOD | REMARK |
|---|------|-----------|--------------|------------|----------------|------------------|
| Low boiling point naphtha - unspecified | Soil | log KOC | 1.783 - 2.36 | / | PCKOCWIN v1.66 | Calculated value |

12.5 Results of PBT and vPvB assessment

No evaluation.

12.6 Other adverse effects

No information.

12.7 Additional information

For product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

For components

Low boiling point naphtha - unspecified

Ecological assessment: Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. 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

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapour.

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 (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) |
| 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 Transport category 3 Tunnel restriction code (D/E) | Limited quantities 5 L EmS F-E, S-E Special provisions 163, 367, 650 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Tank instructions T2 Tank special provisions TP1, TP29 | Limited Quantity Packing Instructions Y344 Limited Quantity Net Qty 10 L Passenger Packing Instruction Packing Instructions 355 Passenger Packing Instruction Net Qty 25 L Special provisions A3, A72, A192 | 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

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

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

1.1 Product identifier 1.2 Relevant identified uses of the substance or mixture and uses advised against 1.3 Details of the supplier of the safety data sheet 2.1 Classification of the substance or mixture 2.2 Label elements 4.1 First aid measures 4.2 Most important symptoms and effects, both acute and delayed 5.1 Extinguishing media 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters 6.1 Personal precautions, protective equipment and emergency procedures 6.3 Methods and material for containment and cleaning up 7.1 Precautions for safe handling 7.2 Conditions for safe storage, including any incompatibilities 8.1 Control parameters 8.2 Exposure controls 9.1 Information on basic physical and chemical properties 9.2 OTHER INFORMATION 11.1 Information on toxicological effects 12.1 Toxicity 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil 13.1 Waste treatment methods 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.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H340 May cause genetic defects.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.