

SAFETY DATA SHEET according to regulation 1907/2006

silco[®]**Product name: 20.111 Unimix Tinting Black****Creation date: 22.02.2021, Revision: 07.04.2021, version: 1.0**

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

1.1 Product identifier

Product name

20.111 Unimix Tinting Black

Product code

20.111

UFI:

SNPS-H1MA-100M-1T0M

<https://my.chemius.net/p/CwmSFE/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].

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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	30-35	Flam. Liq. 3; H226	/	/
barium sulphate	7727-43-7 231-784-4 -	10-15	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319	/	/
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	/	/

Quartz	14808-60-7 238-878-4 -	0.01- 0.1	STOT RE 2; H373	/	/
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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>
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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

Itching, redness, pain.

Following eye contact

Redness, tearing, pain.

Following ingestion

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

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

NAME	MG/M ³	ML/M ³	SHORT-TERM VALUE MG/M ³	SHORT-TERM VALUE ML/M ³	REMARK	BIOLOGICAL TOLERANCE VALUES
barium sulphate	/	/	/	/		/

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
barium sulphate	Worker	inhalation	long term systemic effects	/	mg/m ³
barium sulphate	Worker	inhalation	long term local effects	/	mg/m ³
barium sulphate	Consumer	inhalation	long term systemic effects	/	mg/m ³
barium sulphate	Consumer	oral	long term systemic effects	/	mg/kg bw/day
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
barium sulphate	fresh water	/	µg/l
barium sulphate	water treatment plant	/	mg/L
barium sulphate	fresh water sediment	dry weight	mg/kg
barium sulphate	soil	dry weight	mg/kg
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
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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

black

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	/	/
barium sulphate	oral	LD ₅₀	rat (male)	/	307 - 364 g/kg	OECD 401	/
barium sulphate	dermal	LD ₅₀	rat	/	> 2000 mg/kg bw	OECD 402	/
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
Quartz	oral	LD ₅₀	rat	/	500 mg/kg	/	/

Additional information

The product is not classified for acute toxicity.

(b) Skin corrosion/irritation

For components

NAME	SPECIES	TIME	RESULT	METHOD	REMARK
Quartz	/	/	Not expected to cause irritation.	/	/

Additional information

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

(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
Quartz	/	/	/	Irritating to eyes.	/	/

(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
Quartz	/	/	/	/	/	IARC 1: Carcinogenic to humans.
Quartz	/	/	/	/	/	TLV classification: A2.

(g) Reproductive toxicity

For components

NAME	TYPE	SPECIES	TIME	VALUE	RESULT	METHOD	REMARK
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Low boiling point naphtha - unspecified	NOAEL (P/F1)	rat (female; fetus)	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
Quartz	-	rat	/	/	Negative.	OECD 416	2-generation study, oral
Quartz	-	hamster	/	/	Negative.	/	oral; embryo-fetal development; tested on a similar product.

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
Quartz	inhalation	/	/	/	/	/	Small particles of crystalline silica may cause silicosis, a non-cancerous lung disease.	/	/	/
Quartz	inhalation	/	/	/	/	/	Harmful.	/	/	/

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

For components

NAME	EXPOSURE ROUTE	TYPE	SPECIES	TIME	ORGAN	VALUE	RESULT	METHOD	EXPOSURE	REMARK
Quartz	inhalation	-	/	/	/	/	STOT RE cat.1	/	/	literature

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
barium sulphate	LC ₅₀	> 152 mg/L	96 h	fish	<i>Danio rerio</i>	OECD 203	/
barium sulphate	LC ₅₀	14500 µg/l	48 h	daphnia	<i>Daphnia magna</i>	/	/
barium sulphate	EC ₅₀	> 1.15 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	OECD 201	/
barium sulphate	EC ₅₀	> 622 mg/L	3 h	bacteria	Activated sludge	OECD 209 Activated Sludge, Respiration Inhibition Test	/
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>	/	/	/
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Chronic (long-term) toxicity

For components

NAME	TYPE	VALUE	EXPOSURE TIME	SPECIES	ORGANISM	METHOD	REMARK
barium sulphate	NOEC	≥ 100 mg/l	33 days	fish	<i>Danio rerio</i>	OECD 210	/
barium sulphate	EC16	5800 µg/L	21 days	Magna Daphnia	<i>Daphnia magna</i>	/	/
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.

Quartz

This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

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

No information.

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

EW - 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.
H302 Harmful if swallowed.
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.
H340 May cause genetic defects.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.