

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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

1.1 Product identifier

Product name

9410 X41 Matt

UFI:

GW1U-C0H8-F00V-FQ87



<https://my.chemius.net/p/VIWJyN/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

Manufacturer

SILCO d.o.o.
Sentrupert 5a
3303 Gomilsko, Slovenia
+386 3 703 3180
msds@silco.si

1.4 Emergency Telephone Number

Emergency

112

Manufacturer

112

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.
STOT SE 3; H336 May cause drowsiness or dizziness.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

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Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

2.2 Label elements

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



Signal word: WARNING

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information (EU):

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

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

P273 Avoid release to the environment.

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

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Contains:

n-butyl acetate

2.3 Other hazards

PBT/vPvB

No information.

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Additional information

No information.

Section 3: Composition/information on ingredients

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
n-butyl acetate	123-86-4 204-658-1 607-025-00-1	50-60	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	/	/
xylene	1330-20-7 215-535-7 601-022-00-9	5-10	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332	/	C
ethylbenzene	100-41-4 202-849-4 601-023-00-4	2.5-5	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373 (hearing organs)	/	/
ethanol	64-17-5 200-578-6 603-002-00-5	0.1-1	Flam. Liq. 2; H225	/	/
methanol	67-56-1 200-659-6 603-001-00-X	0.1-1	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT SE 1; H370	STOT SE 1; H370; C ≥ 10% STOT SE 2; H371; 3% ≤ C < 10%	/

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.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 9410 X41 Matt

Creation date: 24.12.2021, Revision: 13.10.2025, Version: 2.10

Section 4: First aid measures

4.1 Description of 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.

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. Vapours may cause drowsiness and dizziness.

Following skin contact

Contact with skin may cause irritation (redness, itching). May cause sensitisation by skin contact (itching, redness, rashes). Repeated exposure may cause dry skin or cracked skin.

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.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

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

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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.

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.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Storage temperature

No information.

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
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
Butyl acetate (123-86-4)	724	150	966	200	/	/
Ethanol (64-17-5)	1920	1000	/	/	/	/
Methanol (67-56-1)	266	200	333	250	Sk	/

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	Value
n-butyl acetate	Worker	inhalation	long term systemic effects	/	300 mg/m ³
n-butyl acetate	Worker	inhalation	short term systemic effects	/	600 mg/m ³
n-butyl acetate	Worker	inhalation	long term local effects	/	300 mg/m ³
n-butyl acetate	Worker	inhalation	short term local effects	/	600 mg/m ³
n-butyl acetate	Worker	dermal	long term systemic effects	/	11 mg/kg bw/day
n-butyl acetate	Worker	dermal	short term systemic effects	/	11 mg/kg bw/day
n-butyl acetate	Consumer	inhalation	long term systemic effects	/	35.7 mg/m ³
n-butyl acetate	Consumer	inhalation	short term systemic effects	/	300 mg/m ³
n-butyl acetate	Consumer	inhalation	long term local effects	/	35.7 mg/m ³
n-butyl acetate	Consumer	inhalation	short term local effects	/	300 mg/m ³
n-butyl acetate	Consumer	dermal	long term systemic effects	/	6 mg/kg bw/day
n-butyl acetate	Consumer	dermal	short term systemic effects	/	6 mg/kg bw/day
n-butyl acetate	Consumer	oral	long term systemic effects	/	2 mg/kg bw/day
n-butyl acetate	Consumer	oral	short term systemic effects	/	2 mg/kg bw/day
xylene	Worker	inhalation	long term systemic effects	/	221 mg/m ³
xylene	Worker	inhalation	short term systemic effects	/	442 mg/m ³
xylene	Worker	inhalation	long term local effects	/	221 mg/m ³
xylene	Worker	inhalation	short term local effects	/	442 mg/m ³
xylene	Worker	dermal	long term systemic effects	/	212 mg/kg bw/day

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Type	Exposure route	exp. frequency	Remark	Value
xylyene	Consumer	inhalation	long term systemic effects	/	65.3 mg/m ³
xylyene	Consumer	inhalation	short term systemic effects	/	260 mg/m ³
xylyene	Consumer	inhalation	long term local effects	/	65.3 mg/m ³
xylyene	Consumer	inhalation	short term local effects	/	260 mg/m ³
xylyene	Consumer	dermal	long term systemic effects	/	125 mg/kg bw/day
xylyene	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
ethanol	Worker	inhalation	long term systemic effects	/	950 mg/m ³
ethanol	Worker	dermal	long term systemic effects	/	343 mg/kg bw/day
ethanol	Consumer	inhalation	long term systemic effects	/	114 mg/m ³
ethanol	Consumer	dermal	long term systemic effects	/	206 mg/kg bw/day
ethanol	Consumer	oral	long term systemic effects	/	87 mg/kg bw/day
methanol	Worker	dermal	long term systemic effects	/	20 mg/kg bw/day
methanol	Worker	inhalation	long term systemic effects	/	130 mg/m ³
methanol	Worker	inhalation	short term systemic effects	/	130 mg/m ³
methanol	Consumer	dermal	short term systemic effects	/	4 mg/kg bw/day

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Type	Exposure route	exp. frequency	Remark	Value
methanol	Consumer	inhalation	long term systemic effects	/	26 mg/m ³
methanol	Consumer	inhalation	short term systemic effects	/	26 mg/m ³
methanol	Worker	dermal	short term systemic effects	/	20 mg/kg bw/day
methanol	Worker	inhalation	short term local effects	/	130 mg/m ³
methanol	Worker	inhalation	long term local effects	/	130 mg/m ³
methanol	Consumer	oral	long term systemic effects	/	4 mg/kg bw/day
methanol	Consumer	dermal	long term systemic effects	/	4 mg/kg bw/day
methanol	Consumer	inhalation	short term local effects	/	26 mg/m ³
methanol	Consumer	inhalation	long term local effects	/	26 mg/m ³

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	Value
n-butyl acetate	fresh water	/	0.18 mg/L
n-butyl acetate	water, intermittent release	/	0.36 mg/L
n-butyl acetate	marine water	/	0.018 mg/L
n-butyl acetate	water treatment plant	/	35.6 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
xylene	fresh water	/	0.327 mg/L
xylene	water, intermittent release	/	0.327 mg/L
xylene	marine water	/	0.327 mg/L
xylene	water treatment plant	/	6.58 mg/L
xylene	fresh water sediment	dry weight	12.46 mg/kg
xylene	marine water sediment	dry weight	12.46 mg/kg

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Exposure route	Remark	Value
xylene	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
ethanol	fresh water	/	0.96 mg/L
ethanol	water, intermittent release	/	2.75 mg/L
ethanol	marine water	/	0.79 mg/L
ethanol	water treatment plant	/	580 mg/L
ethanol	fresh water sediment	dry weight	3.6 mg/kg
ethanol	marine water sediment	dry weight	2.9 mg/kg
ethanol	soil	dry weight	0.63 mg/kg
ethanol	secondary poisoning	food	0.38 g/kg
methanol	fresh water	/	20.8 mg/L
methanol	marine water	/	2.08 mg/L
methanol	water treatment plant	/	100 mg/L
methanol	fresh water sediment	dry weight	77 mg/kg
methanol	marine water sediment	dry weight	7.7 mg/kg
methanol	soil	dry weight	100 mg/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.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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 (BS EN ISO 16321-1:2022/A1:2025).

Hand protection

Protective gloves (EN ISO 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

No information

Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2022). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022+A1:2024).

Respiratory protection

In case of insufficient ventilation wear suitable 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

Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	colourless
Odour	No information.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	35 °C
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	23 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	Substance/mixture is non-soluble (in water). Does not apply
Viscosity	No information.
Solubility	No information.
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	No information.
Density	1.03 g/cm ³
Relative vapour/gas density	No information.
Particle characteristics	No information.

9.2 Other information

Information with regard to physical hazard classes

No information.

Other safety characteristics

Weight organic solvents

680 g/l (VOC (RFU))

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.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

silco[®]

Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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 hazard classes as defined in Regulation (EC) No 1272/2008

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
n-butyl acetate	dermal	LD ₅₀	rabbit	/	5000 mg/kg	/	/
n-butyl acetate	inhalation	LC ₅₀	rat	4 h	9.6 - 29.2 mg/l	/	dust/aerosol
n-butyl acetate	oral	LD ₅₀	rat	/	4700 mg/kg	/	/
xylene	oral	LD ₅₀	rat	/	> 3523 mg/kg	/	/
xylene	dermal	LD ₅₀	rabbit	/	4200 mg/kg	/	/
xylene	inhalation (vapours)	LC ₅₀	rat	4 h	29 mg/l	/	/
ethylbenzene	dermal	LD ₅₀	rabbit	/	17800 mg/kg	/	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

silco[®]

Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Exposure route	Type	Species	Time	Value	Method	Remark
ethylbenzene	oral	LD ₅₀	rat	/	3500 mg/kg	/	/
ethylbenzene	inhalation	LC ₅₀	/	4 h	11 mg/l	/	ATE
ethanol	dermal	LD ₅₀	rabbit	/	20000 mg/kg	/	/
ethanol	oral	LD ₅₀	rat	/	6200 - 17800 mg/kg	/	/
methanol	dermal	LD ₅₀	rabbit	/	ca. 17100 mg/kg	/	/
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	oral	LD ₅₀	rat	/	> 2000 mg/kg	/	/
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	dermal	LD ₅₀	rat	/	> 3000 mg/kg	/	/

Additional information

The product is not classified as acutely toxic.

(b) Skin corrosion/irritation

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Species	Time	result	Method	Remark
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	rabbit	/	Non corrosive.	/	/
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	rabbit	/	Irritating.	/	/

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
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	/	rabbit	/	No irritant effect.	/	/

(d) Respiratory or skin sensitisation

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Exposure route	Species	Time	result	Method	Remark
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	dermal	guinea pig	/	Sensitizing.	/	/

Additional information

It contains at least one ingredient that can cause sensitisation. Can cause allergic reaction. May cause an allergic skin reaction.

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	result	Method	Remark
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	/	/	/	Negative.	/	/

(f) Carcinogenicity

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SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Exposure route	Type	Species	Time	Value	result	Method	Remark
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	/	/	/	/	/	Negative	/	/

(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 drowsiness or dizziness.

(i) STOT-repeated exposure

No information.

Additional information

Repeated exposure may cause skin dryness or cracking. STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

No information.

Additional information

Aspiration hazard: Not classified.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Other information

No information.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 9410 X41 Matt

Creation date: 24.12.2021, Revision: 13.10.2025, Version: 2.10

Section 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
n-butyl acetate	LC ₅₀	18 mg/L	96 h	fish	/	/	/
n-butyl acetate	EC ₅₀	44 mg/L	48 h	crustacea	/	/	/
n-butyl acetate	EC ₅₀	675 mg/L	72 h	algae	/	/	/
xylene	LC ₅₀	13.4 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
xylene	LC ₅₀	13.1 - 16.5 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
xylene	LC ₅₀	2661 - 4093 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
xylene	LC ₅₀	19 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
xylene	LC ₅₀	30.26 - 40.75 mg/L	96 h	fish	<i>Poecilia reticulata</i>	/	/
xylene	LC ₅₀	23.53 - 29.97 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
xylene	LC ₅₀	7711 - 9591 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
xylene	LC ₅₀	780 mg/L	96 h	fish	<i>Cyprinus carpio</i>	/	/
xylene	LC ₅₀	> 780 mg/L	96 h	fish	<i>Cyprinus carpio</i>	/	/
xylene	LC ₅₀	13.5 - 17.3 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
xylene	EC ₅₀	3.82 mg/L	48 h	daphnia	/	/	/
ethylbenzene	EC ₅₀	2.1 mg/L	48 h	<i>Daphnia</i>	/	/	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
methanol	LC ₅₀	15400 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	EPA-660 / 3-75-009 Translation required (216615)	/
methanol	EC ₅₀	22200 mg/L	48 h	crustacea	<i>Daphnia magna</i>	OECD 202	/
methanol	EC ₅₀	ca. 22000 mg/L	96 h	algae	<i>Pseudokirchneriella subcapitata</i>	OECD 201	/
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	LC ₅₀	0.9 mg/L	96 h	fish	/	/	/
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	EC ₅₀	10 mg/L	24 h	/	<i>Daphnia</i>	/	/

Chronic (long-term) toxicity
For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	NOEC	1 mg/l	28 days	<i>Daphnia</i>	/	/	/

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
methanol	BOD	95 %	20 days	readily biodegradable	/	/
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	BOD	38 %	/	/	/	/

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	Value	Temperature °C	pH	Concentration	Method
methanol	-0.77	/	/	/	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 9410 X41 Matt

Creation date: 24.12.2021, Revision: 13.10.2025, Version: 2.10

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

No evaluation.

12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment. Do not allow to reach ground water, water courses or sewage system.

For components

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Does not bioaccumulate.

Section 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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 vapours.

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

14.1 UN number or ID number

ADR/RID	IMDG	IATA	ADN
UN 1263	UN 1263	UN 1263	UN 1263

14.2 UN proper shipping name

ADR/RID	IMDG	IATA	ADN
PAINT	PAINT	PAINT	PAINT

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA	ADN
3	3	3	3



14.4 Packing group

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

ADR/RID	IMDG	IATA	ADN
III	III	III	III

14.5 Environmental hazards

ADR/RID	IMDG	IATA	ADN
NO	NO	NO	NO

14.6 Special precautions for user

ADR/RID	IMDG	IATA	ADN
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) Classification code: F1	Limited quantities: 5 L EmS: F-E, <u>S-E</u> Flash point: 23 °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 Maritime transport in bulk according to IMO instruments

ADR/RID	IMDG	IATA	ADN
	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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) 2020/878)

- 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)

EU limit values and category: B(e) 840 g/l. VOC Content: 680 g/l

Ingredients according to Regulation (EC) No 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

3.2 Mixtures 8.1 Control parameters 8.2 Exposure controls 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.1 Toxicity 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

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **9410 X41 Matt**

Creation date: **24.12.2021**, Revision: **13.10.2025**, Version: **2.10**

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.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs.

H371 May cause damage to organs.

H373 May cause damage to organs through prolonged or repeated exposure.

EUH066 Repeated exposure may cause skin dryness or cracking.