

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH)) KP25 - KP25

Master item code: KP 25

Safety Data Sheet date: 2/2/2024, version 1

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

1.1. Product identifier

Trade name: KP25
SDS code: KP25
UFI: SWHG-42X4-0006-UPJS

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

Recommended use:
Industrial uses
Professional uses

1.3. Details of the supplier of the safety data sheet

Manufacturers:

BABBCO
15, rue des Frères Lumière Z.I. des EBISOIRES 78370 PLAISIR (France)
Tel: +33 (0)1.30.80.81.82
www.babbco.fr

Distributors:

BABBCO
SHERWIN-BABBCO
Tel: +33 (0)1.30.80.81.82
www.babbco.fr

Competent person responsible for the safety data sheet:

e-mail: regulatoryservice@babbco.fr


1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59 59
International : CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

Hydrocarbures, C13-C16, n-alcane, isoalcanes, cycliques, < 0.03% aromatiques

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

















SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.





3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 90\%$	Hydrocarbures, C13-C16, n-alcane, isoalcanes, cycliques, < 0.03% aromatiques	EC: 934-954-2 REACH No.: 01-21198265 92-36	 3.10/1 Asp. Tox. 1 H304
$\geq 0.001\%$ - < 0.1%	2-methoxy-1-methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 REACH No.: 01-21194757 91-29	  2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336 EUH066
$\geq 0.001\%$ - < 0.1%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-21194854 93-29	  2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336 EUH066
$\geq 0.001\%$ - < 0.1%	n-hexane	Index number: 601-037-00-0 CAS: 110-54-3 EC: 203-777-6	       2.6/2 Flam. Liq. 2 H225 3.7/2 Repr. 2 H361f 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373 3.2/2 Skin Irrit. 2 H315 3.8/3 STOT SE 3 H336 4.1/C2 Aquatic Chronic 2 H411 Specific Concentration Limits: C $\geq 5\%$: STOT RE 2 H373
$\geq 0.001\%$ - < 0.1%	cyclohexane	Index number: 601-017-00-1 CAS: 110-82-7 EC: 203-806-2	    2.6/2 Flam. Liq. 2 H225 3.10/1 Asp. Tox. 1 H304 3.2/2 Skin Irrit. 2 H315 3.8/3 STOT SE 3 H336

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			 4.1/A1 Aquatic Acute 1 H400  4.1/C1 Aquatic Chronic 1 H410
< 0.0005%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 REACH No.: 01-21194574 35-35	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash with plenty of water and soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

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Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**Occupational exposure limit values

Hydrocarbures, C13-C16, n-alcane, isoalcanes, cycliques, < 0.03% aromatiques

OEL short - 10mg/m³

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

- OEL Type: ACGIH - TWA(8h): 150 ppm - STEL: 100 ppm

- OEL Type: National - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm -

Behaviour: Binding - Notes: France VLEPC

- OEL Type: National - TWA(8h): 270 mg/m³, 50 ppm - Notes: GERMANY

- OEL Type: National - TWA(8h): 274 mg/m³, 50 ppm - STEL: 548 mg/m³, 100 ppm -

Notes: UK (WELs)

- OEL Type: National - TWA: 260 mg/m³ - STEL: 520 mg/m³ - Notes: POLAND

- OEL Type: EU - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm -

Notes: Skin

- OEL Type: AIHA

- TWA: 50 ppm

- OEL Type: National - TWA: 275 mg/m³, 50 ppm - STEL(5 min (Mow)): 550 mg/m³,

100 ppm - Notes: Österreich

- OEL Type: National - TWA: 270 mg/m³, 50 ppm - Notes: Norway (Skin)

n-butyl acetate - CAS: 123-86-4

- OEL Type: National - TWA: 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm -

Behaviour: Binding - Notes: France, VLEPC

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- OEL Type: National - TWA: 150 ppm - STEL: 200 ppm - Notes: United Kingdom
 - OEL Type: National - TWA(8h): 300 mg/m³, 62 ppm - Notes: Germany
 - OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
 - OEL Type: National - TWA(8h): 238 mg/m³, 50 ppm - STEL: 712 mg/m³, 150 ppm - Notes: BELGIQUE
 - OEL Type: National - TWA(8h): 480 mg/m³, 99 ppm - Notes: PAYS-BAS
 - OEL Type: National - TWA: 480 mg/m³, 100 ppm - STEL(Mow): 480 mg/m³, 100 ppm - Notes: Österreich
 - OEL Type: EU - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm
- n-hexane - CAS: 110-54-3
- OEL Type: National - TWA(8h): 72 mg/m³, 20 ppm - Notes: France VLEC - Note R3
 - INRS TMP N° 59, 84
 - OEL Type: National - TWA(8h): 180 mg/m³, 50 ppm - Notes: Germany
 - OEL Type: EU - TWA(8h): 72 mg/m³, 20 ppm
 - OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Skin, BEI - CNS impair, peripheral neuropathy, eye irr
 - OEL Type: National - TWA: 72 mg/m³, 20 ppm - STEL(15min (Miw)): 288 mg/m³, 80 ppm - Notes: Österreich
 - OEL Type: National - TWA(8h): 72 mg/m³, 20 ppm - Notes: UK
- cyclohexane - CAS: 110-82-7
- OEL Type: National - TWA(8h): 700 mg/m³, 200 ppm - Notes: Germany
 - OEL Type: National - TWA(8h): 700 mg/m³, 200 ppm - STEL: 1300 mg/m³, 375 ppm
 - Notes: France VLEC - INRS TMP N° 84
 - OEL Type: EU - TWA(8h): 700 mg/m³, 200 ppm
 - OEL Type: ACGIH - TWA(8h): 100 ppm - Notes: CNS impair
 - OEL Type: National - TWA(8h): 700 mg/m³, 200 ppm - STEL(15'): 2800 mg/m³, 800 ppm - Notes: Österreich
 - OEL Type: National - TWA(8h): 200 ppm - Notes: Cyprus
 - OEL Type: National - TWA(8h): 700 mg/m³ - STEL: 2000 mg/m³ - Notes: Czech Republic
 - OEL Type: National - TWA: 50 ppm - Notes: Denmark
 - OEL Type: National - TWA(8h): 350 mg/m³, 100 ppm - STEL(15'): 1050 mg/m³, 300 ppm - Notes: United Kingdom
- 1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
- OEL Type: National - TWA(8h): 188 mg/m³, 50 ppm - STEL: 375 mg/m³, 100 ppm - Notes: France VLEC - INRS TMP N°84
 - OEL Type: National - TWA: 370 mg/m³, 100 ppm - Notes: Germany
 - OEL Type: National - TWA: 180 mg/m³ - STEL: 360 mg/m³ - Notes: Poland
 - OEL Type: EU - TWA(8h): 375 mg/m³, 100 ppm - STEL: 563 mg/m³, 150 ppm - Notes: Skin
 - OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr
 - OEL Type: National - TWA: 187 mg/m³, 50 ppm - STEL(15min (Miw)): 187 mg/m³, 50 ppm - Notes: Austria
 - OEL Type: National - TWA(8h): 375 mg/m³, 100 ppm - STEL(15min (Miw)): 560 mg/m³, 150 ppm - Notes: United Kingdom - Skin
 - OEL Type: National - TWA(8h): 188 mg/m³, 50 ppm - STEL: 375 mg/m³, 100 ppm - Notes: Canada (Gazette Officielle du Québec, January 4, 2023, Vol. 155, No.1)
 - OEL Type: National - TWA: 180 mg/m³, 50 ppm - Notes: Norway (skin)

DNEL Exposure Limit Values

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 796 mg/kg b.w./day - Consumer: 320 mg/kg b.w./day - Exposure:

Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m³ - Consumer: 33 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

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- Consumer: 36 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects
 Worker Industry: 550 mg/m³ - Consumer: 33 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
- n-butyl acetate - CAS: 123-86-4
 Worker Industry: 11 mg/kg - Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 300 mg/m³ - Consumer: 35.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
 Worker Industry: 600 mg/m³ - Consumer: 300 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Industry: 11 mg/kg - Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects
 Worker Industry: 600 mg/m³ - Consumer: 300 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 300 mg/m³ - Consumer: 35.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
 Worker Industry: 11 mg/kg - Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
- n-hexane - CAS: 110-54-3
 Worker Industry: 773 mg/kg b.w./day
 Worker Industry: 2035 mg/m³
- 1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
 Worker Industry: 369 mg/m³ - Consumer: 43.9 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Worker Industry: 50.6 mg/kg b.w./day - Consumer: 18.1 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Consumer: 3.3 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects
 Worker Industry: 553.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)

PNEC Exposure Limit Values

- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 Target: Fresh Water - Value: 0.635 mg/l
 Target: Marine water - Value: 0.0635 mg/l
 Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Freshwater sediments - Value: 3.29 mg/kg dw
 Target: Marine water sediments - Value: 0.329 mg/kg dw
 Target: Soil - Value: 0.29 mg/kg
 Target: PNEC intermittent - Value: 6.35 mg/l
- n-butyl acetate - CAS: 123-86-4
 Target: Fresh Water - Value: 0.18 mg/l
 Target: Marine water - Value: 0.018 mg/l
 Target: Freshwater sediments - Value: 0.981 mg/kg
 Target: Water (intermittent discharge) - Value: 0.36 mg/l
 Target: Marine water sediments - Value: 0.0981 mg/kg
 Target: Soil - Value: 0.0903 mg/kg
 Target: Microorganisms in sewage treatments - Value: 35.6 mg/l
- 1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
 Target: Fresh Water - Value: 10 mg/l
 Target: Freshwater sediments - Value: 41.6 mg/kg
 Target: Marine water sediments - Value: 4.17 mg/kg
 Target: Soil (agricultural) - Value: 2.47 mg/kg
 Target: Microorganisms in sewage treatments - Value: 100 mg/l

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Target: Marine water - Value: 1 mg/l

Target: Water (intermittent discharge) - Value: 100 mg/l

Biological Exposure Index

n-hexane - CAS: 110-54-3

Value: 5 mg/g - medium: Urinary creatinine - Biological Indicator: 2.5-hexanedione in the urine - Sampling Period: End of turn - Source: IBE

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Eye glasses with side protection.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

NBR (nitrile rubber).

Respiratory protection:

Mask with filter "A", brown colour

Mask with filter "P", white colour

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	N.A.	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	>235°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	>100°C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	Not Relevant	--	--
Kinematic viscosity:	<= 14 mm ² /sec (40 °C)	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--

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Vapour pressure:	0,3hPa	--	--
Density and/or relative density:	0.815	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

N.A. = not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

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Acute toxicity

Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

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STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

Aspiration hazard

The product is classified: Asp. Tox. 1 H304

Toxicological information of the main substances found in the product:

Hydrocarbures, C13-C16, n-alcane, isoalcanes, cycliques, < 0.03% aromatiques

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5266 mg/m³ - Duration: 4h

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l

Test: LC50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Source: OECD 402

Test: LC0 - Route: Inhalation Vapour - Species: Rabbit = 23.5 mg/l - Source: OECD 403

Test: ATE - Route: Oral > 5000 mg/kg

Test: ATE - Route: Inhalation Vapour > 23.5 mg/l - Duration: 6 hours

Test: ATE - Route: Skin > 5000 mg/kg

n-butyl acetate - CAS: 123-86-4

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 10736 mg/kg

Test: LC50 - Route: Inhalation Dust - Species: Rat = 23.4 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation Mist - Species: Rat = 23.4 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation (aerosol) - Species: Rabbit (male, female) = 0.74 mg/l - Duration: 4h - Source: OECD 403

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 21.1 mg/l - Duration: 4h - Source: OECD 403

Test: LC0 - Route: Inhalation Vapour - Species: Rat > 38.32 mg/l - Duration: 6 hours

Reproductive toxicity:

Test: LOAEC - Route: Inhalation Vapour - Species: Rat = 1500 ppm - Source: OECD 414

Test: NOAEC - Route: Inhalation Vapour - Species: mouse (Male, female) = 2000 ppm - Duration: 90 Jours - Source: OECD 416

STOT-repeated exposure:

Test: NOAEC - Route: Inhalation - Species: Rat (Male, female) = 500 ppm - Duration: 13 weeks - Source: EPA OTS 798.2450

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 125 mg/kg bw/day - Duration: 13 weeks

Test: LOAEL

- Route: Oral - Species: mouse (Male, female) = 500 mg/kg bw/day - Duration: 13 days

n-hexane - CAS: 110-54-3

Acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 23.3 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2800 mg/kg

cyclohexane - CAS: 110-82-7

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 19.1 mg/l - Duration: 4h

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1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5 mg/l - Duration: 4h

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration \geq 0.1%

Other toxicological information:

cyclohexane

Inhalation:

Avoid inhalation of vapours: may cause lung inflammation.

Respiratory irritation:

Coughing, mucus production and shortness of breath

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

Hydrocarbures, C13-C16, n-alcane, isoalcanes, cycliques, < 0.03% aromatiques

a) Aquatic acute toxicity:

Endpoint: EL50

- Species: *Skeletonema costatum* > 10000 mg/l - Duration h: 72

Endpoint: LL50

- Species: *Daphnia* > 3193 mg/l - Duration h: 48

Endpoint: LL50

- Species: *Turbot (Scophthalmus maximus)* > 1028 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: DSEO-R (NOELR) - Species: *Daphnia* > 1000 mg/l - Duration h: 504

Endpoint: DSEO-R (NOELR) - Species: Fish > 1000 mg/l - Duration h: 672

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Aquatic plants > 1000 mg/l - Duration h: 72 - Notes: *Selenastrum capricornutum*, OECD 201

Endpoint: LC50 - Species: Fish = 134 mg/l - Duration h: 96 - Notes: *Oncorhynchus mykiss*, OECD 203

Endpoint: EC50 - Species: Invertebrates > 500 mg/l - Duration h: 48 - Notes: *Daphnia magna*

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336 - Notes: *Oryzias latipes*, OECD 204

Endpoint: NOEC - Species: Invertebrates > 100 mg/l - Duration h: 504 - Notes: *Daphnia magna*, OECD 202

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 647.7 mg/l - Duration h: 72 - Notes: *Desmodesmus subspicatus*

Endpoint: NOEC - Species: Algae = 200 mg/l - Notes: *Desmodesmus subspicatus*

Endpoint: EC50 - Species: Aquatic plants = 397 mg/l - Duration h: 72 - Notes: DIN 38412 Part. 9, *Pseudokirchneriella subcapitata*

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Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: OECD 203, Pimephales promelas

Endpoint: EC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: Tetrahymena pyriformis

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48 - Notes: OECD 202

Endpoint: ErC50 - Species: Aquatic plants = 397 mg/l - Duration h: 72 - Notes: OECD 201, Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 23 mg/l - Duration h: 504 - Notes: OCDE 211

Endpoint: NOEC - Species: Aquatic plants = 196 mg/l - Duration h: 72 - Notes: OECD 201, Pseudokirchneriella subcapitata

Endpoint: IC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: TETRATOX assay, Tetrahymena pyriformis

d) Terrestrial toxicity:

Endpoint: EC50 > 1000 mg/kg - Duration h: 336 - Notes: Lactuca sativa

n-hexane - CAS: 110-54-3

a) Aquatic acute toxicity:

Endpoint: EL50

- Species: Daphnia = 3 mg/l

Endpoint: EL50

- Species: Algae > 10 mg/l - Notes: Pseudokirchneriella subcapitata

Endpoint: LL50

- Species: Fish > 13.4 mg/l - Notes: Oncorhynchus mykiss

Endpoint: DSEO-R (NOELR) - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.17 mg/l - Duration h: 504

Endpoint: LOEC

- Species: Daphnia = 0.32 mg/l - Duration h: 504

cyclohexane - CAS: 110-82-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Aquatic invertebrates > 10 mg/l - Notes: Daphnia magna

Endpoint: EC50 - Species: Aquatic invertebrates < 100 mg/l - Notes: Daphnia magna

Endpoint: EL50

- Species: Daphnia = 3 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish = 4.5 mg/l - Duration h: 48 - Notes: Fathead Minnow

Endpoint: LL50

- Species: Fish > 13.4 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EL50

- Species: Algae > 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Aquatic plants = 9.317 mg/kg/d - Duration h: 36 - Notes: Selenastrum capricornutum

Endpoint: DSEO-R (NOELR) - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: EL50

- Species: Aquatic invertebrates = 1.6 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: LOEC

- Species: Aquatic invertebrates = 0.32 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: NOEC - Species: Aquatic invertebrates = 0.17 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: DSEO-R (NOELR) - Species: Daphnia = 1 mg/l - Duration h: 504 - Notes: Daphnia magna

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

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a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Leuciscus idus, LC/EC/IC50

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Algae > 1000 mg/l - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Fish < 4600 mg/l - Duration h: 96 - Notes: Leuciscus idus

12.2. Persistence and degradability

Hydrocarbures, C13-C16, n-alcane, isoalcanes, cycliques, < 0.03% aromatiques

Biodegradability: Readily biodegradable - Duration: 28 days - %: 74 - Notes: OECD 306

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Biodegradability: Biological oxygen demand (BOD) - Test: OECD 301F - Duration: 28 days - %: 83% - Notes: ISO 9408; 92/69/CEE, C.4-D

n-butyl acetate - CAS: 123-86-4

Biodegradability: Biodegradability rate - Test: OECD 301D - Duration: 5 days - %: 83% - Notes: CEE 92/69, C.4-E

n-hexane - CAS: 110-54-3

Biodegradability: Biodegradability rate - Duration: 28 days - %: 98

cyclohexane - CAS: 110-82-7

Biodegradability: Biodegradability rate - Duration: 28 days - %: 9

Biodegradability: Manometer Breathing - Duration: 28 days - %: 77

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

BCF < 100

Log Pow < 3

n-butyl acetate - CAS: 123-86-4

BCF 15.3

Log Kow 2.3 - Notes: 25 °C

cyclohexane - CAS: 110-82-7

Log Kow 3.44

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Log Pow 0.37

12.4. Mobility in soil

n-butyl acetate - CAS: 123-86-4

Log Koc 1.268

Volality (H: Henry's Law Constant) 28.5 Pa.m³/mol - Notes: 25 °C

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

No harmful effects expected.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

N.A.

SECTION 14: Transport information

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))**KP25 - KP25****14.1. UN number or ID number**

Not classified as dangerous in the meaning of ADR, IATA and IMDG transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

Restriction 30

Restriction 40

Restriction 57

Restriction 75

Listed or in compliance with the following international inventories:

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Labelling of detergents (EC Regulations 648/2004 and 907/2006):
N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):
N.A.

N.A.

Where applicable, refer to the following regulatory provisions :
Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
1999/13/EC (VOC directive)
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
None

15.2. Chemical safety assessment

No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

- H304 May be fatal if swallowed and enters airways.
- H226 Flammable liquid and vapour.
- H336 May cause drowsiness or dizziness.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- H225 Highly flammable liquid and vapour.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H315 Causes skin irritation.
- H411 Toxic to aquatic life with long lasting effects.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

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Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
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This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Asp. Tox. 1, H304	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product. The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.

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INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.