Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
DILNET SP

Regulation (EU) n. 2020/878

Safety Data Sheet date: 14/6/2022, version 8

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

1.1. Product identifier

Trade name: DILNET SP
SDS code: P28211I
UFI: T5AA-U9TM-NM2C-PQ10

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

Recommended use:

Solvent
Cleaner
Industrial uses

Uses advised against:

No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Manufacturers:
Socomore SASU
Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France
Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26
Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

Distributors:
Socomore SASU
Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France
Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26
Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

Competent person responsible for the safety data sheet:
techdirsocomore@socomore.com

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, Flam. Liq. 2, Highly flammable liquid and vapour.


Warning, Skin Irrit. 2, Causes skin irritation.


Danger, Eye Dam. 1, Causes serious eye damage.


Warning, STOT SE 3, May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P280 Wear protective gloves and eye/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER if you feel unwell.
P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

acetone; propan-2-one; propanone
2-methylpropan-1-ol; iso-butanol
n-butyl acetate
butanone; ethyl methyl ketone

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 >= 0.1%

Other Hazards:

No other hazards

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
>= 60% - < 70%	acetone; propan-2-one; propanone	Index number: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 REACH No.: 01-21194713 30-49	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336 EUH066
>= 12.5% - < 15%	2-methylpropan-1-ol; iso-butanol	Index number: 603-108-00-1 CAS: 78-83-1 EC: 201-148-0 REACH No.: 01-21194846 09-23	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H335 3.2/2 Skin Irrit. 2 H315 3.3/1 Eye Dam. 1 H318 3.8/3 STOT SE 3 H336

>= 10% - < 12.5%	n-butyl acetate	Index number: CAS: EC: REACH No.:	607-025-00-1 123-86-4 204-658-1 01-2119485493-29	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336 EUH066
>= 7% - < 10%	butanone; ethyl methyl ketone	Index number: CAS: EC: REACH No.:	606-002-00-3 78-93-3 201-159-0 01-2119457290-43	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336 EUH066
>= 1% - < 3%	2-methoxy-1-methylethyl acetate	Index number: CAS: EC: REACH No.:	607-195-00-7 108-65-6 203-603-9 01-2119475791-29	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336
< 0.0005%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: CAS: EC: REACH No.:	603-064-00-3 107-98-2 203-539-1 01-2119457435-35	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:

Immediately take off all contaminated clothing.
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.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose of safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

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:
In case of fire, use a CO2 fire extinguisher to extinguish.

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 all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions

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, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
Store at ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values
acetone; propan-2-one; propanone - CAS: 67-64-1

- OEL Type: National - TWA(8h): 1200 mg/m3 - Notes: Germany - Notes DFG
- OEL Type: National - TWA(8h): 1210 mg/m3, 500 ppm - STEL: 2420 mg/m3, 1000 ppm - Notes: France VLEC - TMP N° 84
- OEL Type: EU - TWA(8h): 1210 mg/m3, 500 ppm
- OEL Type: ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
- OEL Type: National - TWA: 1200 mg/m3, 500 ppm - STEL(15'): 4800 mg/m3, 2000 ppm - Notes: Ostereich
- OEL Type: National - TWA(8h): 1210 mg/m3, 500 ppm - STEL(): 3620 mg/m3, 1500 ppm - Notes: United Kingdom

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

- OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Skin and eye irr
- OEL Type: National - TWA: 150 mg/m3, 50 ppm - Notes: INRS, indicative limit
- OEL Type: National - TWA: 50 ppm - STEL: 75 ppm - Notes: DOW IHG
- OEL Type: National - TWA: 154 mg/m3, 50 ppm - STEL: 231 mg/m3, 75 ppm - Notes: WEL, Great Britain
- OEL Type: National - TWA: 310 mg/m3, 100 ppm - Notes: TRGS 900, AGW (Germany)

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
- 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): 723 mg/m3, 150 ppm - STEL: 964 mg/m3, 200 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

butanone; ethyl methyl ketone - CAS: 78-93-3

- OEL Type: National - TWA: 600 mg/m3, 200 ppm - STEL: 900 mg/m3, 300 ppm - Notes: France VLEC
- OEL Type: EU - TWA(8h): 600 mg/m3, 200 ppm - STEL: 900 mg/m3, 300 ppm
- OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 300 ppm - Notes: BEI - URT irr, CNS and PNS impair
- OEL Type: National - TWA: 600 mg/m3, 200 ppm - Notes: AGW, Germany
- OEL Type: MAK - TWA: 295 mg/m3, 100 ppm - STEL(30min (Miw)): 590 mg/m3, 200 ppm - Notes: Österreich

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

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(Mow): 187 mg/m3, 50 ppm - Notes: Österreich
- OEL Type: National - TWA(8h): 375 mg/m3, 100 ppm - STEL(15'): 560 mg/m3, 150 ppm - Notes: United Kingdom - Skin

DNEL Exposure Limit Values

acetone; propan-2-one; propanone - CAS: 67-64-1
- Worker Industry: 2420 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects - Notes: 1h
- Worker Industry: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal - Frequency: Short Term (acute) - Notes: 8h for workers, 24h for consumer
- Worker Industry: 1210 mg/m3 - Consumer: 200 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term (acute) - Notes: 24h for consumer
- Consumer: 62 mg/kg - Exposure: Human Oral - Frequency: Short Term (acute)
- Worker Industry: 500 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1
- Worker Industry: 310 mg/m3 - Consumer: 55 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- Worker Industry: 310 mg/m3 - Consumer: 55 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
- Consumer: 25 mg/kg - Exposure: Human Oral

n-butyl acetate - CAS: 123-86-4
- Worker Professional: 11 mg/kg b.w./day - Consumer: 6 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
- Worker Professional: 300 mg/m3 - Consumer: 35.7 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- Consumer: 2 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects
- Worker Professional: 600 mg/m3 - Consumer: 300 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
- Worker Professional: 11 mg/kg b.w./day - Consumer: 2 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

butanone; ethyl methyl ketone - CAS: 78-93-3
- Worker Industry: 1161 mg/kg - Consumer: 412 mg/kg - Exposure: Human Dermal - Frequency: Short Term (acute) - Notes: 1 day
- Worker Industry: 600 mg/m3 - Consumer: 106 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term (acute)
- Consumer: 31 mg/kg - Exposure: Human Oral - Frequency: Short Term (acute)

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
- 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

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

acetone; propan-2-one; propanone - CAS: 67-64-1
- Target: Fresh Water - Value: 10.6 mg/l
- Target: Marine water - Value: 1.06 mg/l
- Target: Freshwater sediments - Value: 30.4 mg/kg
- Target: Marine water sediments - Value: 3.04 mg/kg
- Target: Soil - Value: 29.5 mg/kg
- Target: Microorganisms in sewage treatments - Value: 100 mg/l
- Target: Water (intermittent discharge) - Value: 21 mg/l

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1
- Target: Fresh Water - Value: 0.4 mg/l
- Target: Marine water - Value: 0.04 mg/l
- Target: Marine water sediments - Value: 1.52 mg/kg
- Target: Freshwater sediments - Value: 0.152 mg/kg
- Target: Microorganisms in sewage treatments - Value: 10 mg/l
- Target: Soil (agricultural) - Value: 0.0699 mg/kg
- Target: Water (intermittent discharge) - Value: 11 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: Marine water sediments - Value: 0.0981 mg/kg
- Target: Soil (agricultural) - Value: 0.0903 mg/kg
- Target: Microorganisms in sewage treatments - Value: 35.6 mg/l

butanone; ethyl methyl ketone - CAS: 78-93-3
- Target: Fresh Water - Value: 55.8 mg/l
- Target: Marine water - Value: 55.8 mg/l
- Target: Freshwater sediments - Value: 284.74 mg/kg
- Target: Marine water sediments - Value: 287.7 mg/kg
- Target: Soil (agricultural) - Value: 22.5 mg/kg

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

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
- Target: Marine water - Value: 1 mg/l
- Target: Water (intermittent discharge) - Value: 100 mg/l

Biological Exposure Index
N.A.

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:
Safety goggles (EN 166)
Protection for skin:
Chemical protection clothing.
Protection for hands:
Suitable gloves type: NF EN374
PVA (Polyvinyl alcohol).
Butyl rubber (isobutylene-isoprene copolymer)
Respiratory protection:
Mask with filter "A1" , brown colour (NF EN14387)
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:	57 °C	NF T67-101	--
Flammability:	Flam. Liq. 2, H225	--	--
Lower and upper explosion limit:	1-11%	--	--
Flash point (°C):	-18 °C	NF EN 2719	--
Auto-ignition temperature:	> 333 °C	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	< 240 hPa (20 °C)	--	--
Density and/or relative density:	0.806	ISO 649, ASTM D1298	--
Relative vapour density:	<3.8255	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 800 g/l

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

Avoid contact with combustible materials. The product could catch fire.

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:

N.A.

Toxicological information of the main substances found in the product:

acetone; propan-2-one; propanone - CAS: 67-64-1

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 76 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 15800 mg/kg

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2830 mg/kg
Test: LD50 - Route: Oral - Species: Rat < 3350 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 18.18 mg/l
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit < 2460 mg/kg
Test: LC0 - Route: Inhalation - Species: Rat = 18.2 mg/m3 - Duration: 6 hours

STOT-single exposure:

Route: Inhalation 10 ppm

STOT-repeated exposure:

Test: NOAEL - Route: Inhalation - Species: Rat = 7.5 mg/l - Notes: 2500 ppm

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

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit = 14112 MGKGBWDAY
Test: LD50 - Route: Oral - Species: Rat = 10760 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: LC0 - Route: Inhalation - Species: Rat = 23.4 mg/l - Duration: 4h - Source: OECD 403, in vivo, aerosol

Reproductive toxicity:

Test: NOAEC - Species: Rat = 3615 mg/m3
Test: LOAEC - Species: Rat = 7230 mg/m3 - Source: OECD

STOT-repeated exposure:

Test: NOAEL - Species: Rat = 500 ppm

butanone; ethyl methyl ketone - CAS: 78-93-3
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
Test: LC50 - Route: Inhalation > 5000 ppm
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
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

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:
Acute toxicity;
Skin corrosion/irritation;
Serious eye damage/irritation;
Respiratory or skin sensitisation;
Germ cell mutagenicity;
Carcinogenicity;
Reproductive toxicity;
STOT-single exposure;
STOT-repeated exposure;
Aspiration hazard.

11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:
acetone; propan-2-one; propanone
Skin corrosion / irritation (rabbit):
Slight irritating effect
Severe eye injury/irritation (rabbit):
Irritating effect
-

2-methylpropan-1-ol; iso-butanol
Skin contact:
Irritating to skin.
Eye contact:
Severe eye damage
Foetal development:
NOAEL: 10 mg/l (3030 ppm) Maternal no-effect concentration: 10 mg/l (3030 ppm) (rat)
NOAEL: 10 mg/l (3030 ppm) Maternal no-effect concentration: 2.5 mg/l (758 ppm) (lapin)
-

butanone; ethyl methyl ketone
Skin corrosion / irritation (rabbit):

Slight irritating effect
Severe eye injury/irritation (rabbit):
Highly irritating

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
acetone; propan-2-one; propanone - CAS: 67-64-1
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Salmo gairdneri
Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata
Endpoint: NOEC - Species: Algae = 430 mg/l - Duration h: 96 - Notes: Prorocentrum minimum, marine water
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 2212 mg/l - Duration h: 672 - Notes: Daphnia pulex
2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1.430 mg/l - Duration h: 96 - Notes: Pimephales promelas
Endpoint: EC50 - Species: Algae = 632 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
Endpoint: NOEC - Species: Algae = 53 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
Endpoint: EC50 - Species: Daphnia = 1.100 mg/l - Duration h: 48
Endpoint: EC0 - Species: Algae = 350 mg/l
Endpoint: EC0 - Species: Fish = 280 mg/l - Notes: Pseudomonas putida
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 20 mg/l - Duration h: 504
f) Effects in sewage plants (activated sludge):
Endpoint: IC50 - Species: Fish > 1000 mg/l - Duration h: 16
n-butyl acetate - CAS: 123-86-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: Pimephales promelas
Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48
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: bacteria = 356 mg/l - Duration h: 40 - Notes: Tetrahymena pyriformis
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 23 mg/l - Duration h: 504
Endpoint: IC50 - Species: bacteria = 356 mg/l - Duration h: 40 - Notes: Tetrahymena pyriformis
butanone; ethyl methyl ketone - CAS: 78-93-3
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 13 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Oncorhynchuss mykiss
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 168 - Notes: Desmodesmus subspicatus
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
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
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

acetone; propan-2-one; propanone - CAS: 67-64-1
Biodegradability: Readily biodegradable - Duration: 28 days - %: 91
Biodegradability: Chemical Oxygen Demand (COD) - Notes: 2,21 g O2/g matière
2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1
Biodegradability: Biodegradability rate - Duration: 28 days - %: 70-80
Biodegradability: Biodegradation in water - Test: OECD 301C - Duration: 14 days - %: 90
Biodegradability: Photodegradation (in air) - overall half-life time - Test: Degradation by OH radicals: Direct photolysis - Duration: 56 hours
n-butyl acetate - CAS: 123-86-4
Biodegradability: Biodegradability rate - Duration: 28 days - %: 83
butanone; ethyl methyl ketone - CAS: 78-93-3
Biodegradability: Readily biodegradable - Duration: 28 days - %: 98 - Notes: aerobie
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
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

acetone; propan-2-one; propanone - CAS: 67-64-1
BCF 3
Log Pow - 0.24 - Notes: 20 °
Log Kow 0.17 - Notes: 20 °C
2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1
Almost non bioaccumulative
Log Kow - Test: OECD 107 0.79
n-butyl acetate - CAS: 123-86-4
BCF 15.3
Log Kow 2.3 - Notes: 25 °C
butanone; ethyl methyl ketone - CAS: 78-93-3
Log Pow 0.3
Log Kow 0.3
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
Log Pow 0.37

12.4. Mobility in soil

acetone; propan-2-one; propanone - CAS: 67-64-1
Volality (H: Henry's Law Constant) 2929-3070 Pa.m3/mol - Notes: 25 °C (low volatility)
2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1
Distribution between environmental compartments - Test: Koc 67.92 % - Notes: Water
Distribution between environmental compartments - Test: Koc 32.02 % - Notes: Air
Distribution between environmental compartments - Test: Koc 0.03 % - Notes: Soil
Distribution between environmental compartments - Test: Koc 0.03 % - Notes: Sediment
Surface tension 69.7 mN/m - Notes: 20 °C

Volality (H: Henry's Law Constant) 1.01E+00 Pa.m3/mol - Notes: 25 °C (calculated)
Log Koc 0.31 - Notes: (calculated)
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):

14 06 03* Other solvents and solvent mixtures

SECTION 14: Transport information

14.1. UN number or ID number

ADR-UN Number:	1993
IATA-UN Number:	1993
IMDG-UN Number:	1993

14.2. UN proper shipping name

ADR-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (acetone; propan-2-one; propanone, 2-methylpropan-1-ol; iso-butanol)
IATA-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (acetone; propan-2-one; propanone, 2-methylpropan-1-ol; iso-butanol)
IMDG-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (acetone; propan-2-one; propanone, 2-methylpropan-1-ol; iso-butanol)

14.3. Transport hazard class(es)

ADR-Class:	3
ADR - Hazard identification number:	33
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3

14.4. Packing group

ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II

14.5. Environmental hazards

ADR-Enviromental Pollutant:	No
IMDG-Marine pollutant:	No

IMDG-EmS:	F-E	,	S-E

14.6. Special precautions for user

ADR-Subsidiary hazards:	-
ADR-S.P.:	274 601 640C

ADR-Transport category (Tunnel restriction code): 2 (D/E)

IATA-Passenger Aircraft:	353
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	364
IATA-S.P.:	A3
IATA-ERG:	3H
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category B
IMDG-Segregation:	-

Q.L.: 1L
Q.E.: E2

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)

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
- Restriction 40

Restrictions related to the substances contained:
- Restriction 30
- Restriction 75

Listed or in compliance with the following international inventories:

N.A.

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.

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
Product belongs to category: P5c

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:
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.
H226 Flammable liquid and vapour.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H318 Causes serious eye damage.

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
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

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
Flam. Liq. 2, H225	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
STOT SE 3, H336	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

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.
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.