

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 07/08/2026 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
PRODUCT NAME : ZOFF/UNISOLVE/REMOVE Wipes
Product code : 5000, 402300, 59403125

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

Relevant identified uses

Intended for general public
Main use category : Consumer use
Use of the substance/mixture : Intended for using on skin, for universal adhesive removal.
Use of the substance/mixture : General product

1.3. Details of the supplier of the safety data sheet

Supplier

Smith & Nephew Medical Ltd
101 Hessle Road
HU3 2BN Hull, East Ridings of Yorkshire
T +44 (0) 1482 225181
<https://www.smith-nephew.com/en/contact-us#general>

EU Authorised Representative

Smith & Nephew Operation B.V.
Bloemlaan 2
2132 NP Hoofddorp
Netherlands

1.4. Emergency telephone number

Emergency number : 999 (UK) or 112 (EU) - 24 Hours, +1-703-527-3887 (Chemtrec 24 Hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable solids, Category 2 H228
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity – Single exposure, Category 3, H336
Narcosis

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02



GHS07

Signal word (CLP) : Warning

Contains : IPA

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hazard statements (CLP)	: H228 - Flammable solid. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing mist, vapours. P271 - Use only outdoors or in a well-ventilated area. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Child-resistant fastening	: Not applicable
Tactile warning	: Applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
C9-12-ISOALKANES	CAS-No.: 90622-57-4 EC-No.: 292-459-0	$\geq 20 - < 50$	Flam. Liq. 3, H226 Asp. Tox. 1, H304
IPA substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	$\geq 20 - < 50$	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Dipropylene glycol monomethyl ether substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH); substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2 REACH-no: 01-2119450011-60-XXXX	$\geq 20 - < 50$	Not classified
benzaldehyde substance with national workplace exposure limit(s) (BG, FI, HU, LT, LV, PL); substance with a Community workplace exposure limit	CAS-No.: 100-52-7 EC-No.: 202-860-4 EC Index-No.: 605-012-00-5 REACH-no: 01-2119455540-44	< 0.1	Acute Tox. 4 (Oral), H302

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ALPHA PINENE NATURAL substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO, CH)	CAS-No.: 80-56-8 EC-No.: 201-291-9 REACH-no: 01-2119519223-49	< 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(R)-p-mentha-1,8-diene; d-limonene substance with national workplace exposure limit(s) (DE, ES, FI, NO, CH)	CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-029-00-7	< 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
n-butyl acetate substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, CH); substance with a Community workplace exposure limit	CAS-No.: 123-86-4 EC-No.: 204-658-1 EC Index-No.: 607-025-00-1 REACH-no: 01-2119485493-29-XXXX	< 0.1	Flam. Liq. 3, H226 STOT SE 3, H336
Diphenylether substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH); substance with a Community workplace exposure limit	CAS-No.: 101-84-8 EC-No.: 202-981-2 REACH-no: 01-2119472545-33	< 0.1	Flam. Liq. Not classified Aquatic Chronic 2, H411
beta-Pinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO, CH)	CAS-No.: 127-91-3 EC-No.: 204-872-5 REACH-no: 2119519230-54	< 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CITRAL substance with national workplace exposure limit(s) (BE, ES, IE, PL)	CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829-23	< 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Kampfer substance with national workplace exposure limit(s) (AT, BE, BG, DK, ES, FI, FR, GB, GR, IE, LT, PL, PT, RO, SI, SK, IS, NO, CH)	CAS-No.: 76-22-2 EC-No.: 200-945-0 REACH-no: 01-2119966156-31	< 0.1	Acute Tox. 4 (Oral), H302 STOT SE 2, H371 STOT RE 1, H372
CAMPHENE substance with national workplace exposure limit(s) (CH)	CAS-No.: 79-92-5 EC-No.: 201-234-8	< 0.1	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dl-Limonene (racemic) substance with national workplace exposure limit(s) (LT, SE, NO)	CAS-No.: 138-86-3 EC-No.: 205-341-0 EC Index-No.: 601-029-00-7	< 0.1	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317
(S)-p-mentha-1,8-diene; l-limonene substance with national workplace exposure limit(s) (NO)	CAS-No.: 5989-54-8 EC-No.: 227-815-6 EC Index-No.: 601-029-00-7	< 0.1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
p-Cymene substance with national workplace exposure limit(s) (DK, LT, SE, IS)	CAS-No.: 99-87-6 EC-No.: 202-796-7	< 0.1	Flam. Liq. 3, H226 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3-Carene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO, CH)	CAS-No.: 13466-78-9 EC-No.: 236-719-3	< 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: May cause drowsiness or dizziness. If experiencing respiratory symptoms: Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: If skin irritation or rash occurs: Gently wash with plenty of soap and water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: If you feel unwell, seek medical advice.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause slight irritation.
Symptoms/effects after eye contact	: Causes eye irritation. stinging. redness, itching, tears. Causes serious eye irritation.
Symptoms/effects after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

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

Treat symptomatically.

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Alcohol-resistant foam. Dry powder. Foam. Water spray or fog. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable solid.
- Explosion hazard : No data available on indirect explosion hazard. May form flammable/explosive vapour-air mixture.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid fire-fighting water entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : None under normal use.

For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Wash hands, forearms and face thoroughly after handling.

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
Storage conditions	: Keep only in the original container in a cool, well-ventilated place away from: Keep in fireproof place. Keep container tightly closed.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Direct sunlight.
Storage temperature	: < 25 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Dipropylene glycol monomethyl ether (34590-94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	(2-Methoxymethylethoxy)-propanol
IOEL TWA	308 mg/m ³
	50 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
Local name	(2-methoxymethylethoxy) propanol
WEL TWA (OEL TWA)	308 mg/m ³
	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
IPA (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA)	999 mg/m ³
	400 ppm
WEL STEL (OEL STEL)	1250 mg/m ³
	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

benzaldehyde (100-52-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	8.7 mg/m³
IOEL STEL	17.4 mg/m³
Kampfer (76-22-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Bornan-2-one
WEL TWA (OEL TWA)	13 mg/m³
	2 ppm
WEL STEL (OEL STEL)	19 mg/m³
	3 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
n-butyl acetate (123-86-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	n-butyl acetate
IOEL TWA	241 mg/m³
	50 ppm
IOEL STEL	723 mg/m³
	150 ppm
Remark	SCOEL Recommendations (Ongoing)
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831
United Kingdom - Occupational Exposure Limits	
Local name	Butyl acetate
WEL TWA (OEL TWA)	724 mg/m³
	150 ppm
WEL STEL (OEL STEL)	966 mg/m³
	200 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Diphenylether (101-84-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Diphenyl ether
IOEL TWA	7 mg/m³
	1 ppm
IOEL STEL	14 mg/m³
	2 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Diphenylether (101-84-8)

United Kingdom - Occupational Exposure Limits

Local name	Diphenyl ether
WEL TWA (OEL TWA)	7.1 mg/m ³ vapour
	1 ppm
WEL STEL (OEL STEL)	14 mg/m ³
	2 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Not required for normal conditions of use. Chemical goggles or safety glasses

Skin protection

Hand protection:

Not required for normal conditions of use. Consult glove manufacturer's product information on material suitability and material thickness. Wear protective gloves.

Respiratory protection

Respiratory protection:

Not required for normal conditions of use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: White.
Appearance	: Liquid impregnated wipe.
Odour	: pleasant.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Flammable solid.
Lower explosion limit	: Not applicable

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Dipropylene glycol monomethyl ether (34590-94-8)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
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ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Dipropylene glycol monomethyl ether (34590-94-8)	
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
IPA (67-63-0)	
LD50 oral	4396 mg/kg bodyweight
LD50 dermal	12800 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	46600 mg/l
benzaldehyde (100-52-7)	
LD50 oral	1430 mg/kg bodyweight
LD50 dermal	> 1250 mg/kg bodyweight
CITRAL (5392-40-5)	
LD50 oral	4960 mg/kg bodyweight
LD50 dermal	2250 mg/kg bodyweight
ALPHA PINENE NATURAL (80-56-8)	
LD50 oral rat	2100 mg/kg Source: International Uniform Chemical Information Database
LD50 oral	3700 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal	> 5000 mg/kg bodyweight
beta-Pinene (127-91-3)	
LD50 oral rat	4700 mg/kg Source: NLM, THOMSON
CAMPHENE (79-92-5)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
Kampfer (76-22-2)	
LD50 oral	1500 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 10 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
(S)-p-mentha-1,8-diene; l-limonene (5989-54-8)	
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
p-Cymene (99-87-6)	
LD50 oral	4750 mg/kg bodyweight
3-Carene (13466-78-9)	
LD50 oral	4800 mg/kg bodyweight

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

n-butyl acetate (123-86-4)	
LD50 oral	10700 mg/kg bodyweight
LD50 dermal	> 14100 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 21100 mg/l
Diphenylether (101-84-8)	
LD50 oral	2830 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
n-butyl acetate (123-86-4)	
pH	6.2 Temp.: 20 °C Concentration: (≈)5 g/L
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: Based on available data, the classification criteria are not met
n-butyl acetate (123-86-4)	
pH	6.2 Temp.: 20 °C Concentration: (≈)5 g/L
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
IPA (67-63-0)	
IARC group	3 - Not classifiable
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause drowsiness or dizziness.
Additional information	: Based on available data, the classification criteria are not met
IPA (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
Kampfer (76-22-2)	
STOT-single exposure	May cause damage to organs.
n-butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Dipropylene glycol monomethyl ether (34590-94-8)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Kampfer (76-22-2)

NOAEL (oral, rat, 90 days)	3.2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: other:
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

(S)-p-mentha-1,8-diene; l-limonene (5989-54-8)

Viscosity, kinematic	1.011 mm ² /s
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n-butyl acetate (123-86-4)

Viscosity, kinematic	0.83 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'
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11.2. Information on other hazards

Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Dipropylene glycol monomethyl ether (34590-94-8)

LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Poecilia reticulata
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

IPA (67-63-0)

LC50 - Fish [1]	9640 mg/l
EC50 - Other aquatic organisms [1]	13299 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 1000 mg/l

benzaldehyde (100-52-7)

LC50 - Fish [1]	1.07 mg/l
EC50 - Other aquatic organisms [1]	23.7 mg/l waterflea

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

benzaldehyde (100-52-7)	
EC50 - Other aquatic organisms [2]	> 100 mg/l
CITRAL (5392-40-5)	
LC50 - Fish [1]	4.1 mg/l
EC50 - Other aquatic organisms [1]	7 mg/l waterflea
EC50 - Other aquatic organisms [2]	5 mg/l
ALPHA PINENE NATURAL (80-56-8)	
LC50 - Fish [1]	0.28 mg/l
EC50 - Crustacea [1]	0.475 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	1.44 mg/l waterflea
beta-Pinene (127-91-3)	
LC50 - Fish [1]	0.624 mg/l Source: ECOSAR
CAMPHENE (79-92-5)	
LC50 - Fish [1]	0.72 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.72 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1.75 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
Kampfer (76-22-2)	
LC50 - Fish [1]	33.25 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	4.23 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	1.71 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
(S)-p-mentha-1,8-diene; l-limonene (5989-54-8)	
EC50 - Crustacea [1]	0.36 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	0.36 mg/l Test organisms (species):
EC50 72h - Algae [1]	≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	≈ 8 mg/l Test organisms (species):
EC50 96h - Algae [1]	0.904 mg/l Test organisms (species): other:
n-butyl acetate (123-86-4)	
LC50 - Fish [1]	18 mg/l
EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
EC50 - Other aquatic organisms [1]	44 mg/l waterflea
EC50 - Other aquatic organisms [2]	648 mg/l

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

n-butyl acetate (123-86-4)	
EC50 72h - Algae [1]	674.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

ZOFF/UNISOLVE/REMOVE Wipes	
Persistence and degradability	Not established.
C9-12-ISOALKANES (90622-57-4)	
Persistence and degradability	Rapidly degradable
Dipropylene glycol monomethyl ether (34590-94-8)	
Persistence and degradability	Rapidly degradable
IPA (67-63-0)	
Persistence and degradability	Not established.
benzaldehyde (100-52-7)	
Persistence and degradability	Rapidly degradable
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Persistence and degradability	Rapidly degradable
CITRAL (5392-40-5)	
Persistence and degradability	Rapidly degradable
ALPHA PINENE NATURAL (80-56-8)	
Persistence and degradability	Rapidly degradable
beta-Pinene (127-91-3)	
Persistence and degradability	Rapidly degradable
dl-Limonene (racemic) (138-86-3)	
Persistence and degradability	Rapidly degradable
CAMPHERE (79-92-5)	
Persistence and degradability	Rapidly degradable
Kampfper (76-22-2)	
Persistence and degradability	Rapidly degradable
(S)-p-mentha-1,8-diene; l-limonene (5989-54-8)	
Persistence and degradability	Rapidly degradable
p-Cymene (99-87-6)	
Persistence and degradability	Rapidly degradable

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

3-Carene (13466-78-9)

Persistence and degradability	Rapidly degradable
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n-butyl acetate (123-86-4)

Persistence and degradability	Rapidly degradable
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Diphenylether (101-84-8)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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IPA (67-63-0)

Partition coefficient n-octanol/water (Log Pow)	0.05
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Bioaccumulative potential	Not established.
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benzaldehyde (100-52-7)

Partition coefficient n-octanol/water (Log Pow)	1.48
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CITRAL (5392-40-5)

Partition coefficient n-octanol/water (Log Pow)	2.8
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ALPHA PINENE NATURAL (80-56-8)

Partition coefficient n-octanol/water (Log Pow)	4.32
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beta-Pinene (127-91-3)

Partition coefficient n-octanol/water (Log Pow)	4.16
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n-butyl acetate (123-86-4)

Partition coefficient n-octanol/water (Log Pow)	2.3
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12.4. Mobility in soil

ALPHA PINENE NATURAL (80-56-8)

Mobility in soil	2600 Source: HSDB
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

ZOFF/UNISOLVE/REMOVE Wipes

Other information	Avoid release to the environment.
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ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

IPA (67-63-0)

Other information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecological waste information	: Avoid release to the environment.
HP Code	: HP3 - "Flammable:" – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; – flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; – water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3175	UN 3175	UN 3175	UN 3175	UN 3175
14.2. UN proper shipping name				
SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (C9-12-ISOALKANES ; IPA)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (C9-12-ISOALKANES ; IPA)	Solids containing flammable liquid, n.o.s. (C9-12-ISOALKANES ; IPA)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (C9-12-ISOALKANES ; IPA)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (C9-12-ISOALKANES ; IPA)
Transport document description				
UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (C9-12-ISOALKANES ; IPA), 4.1, II, (E)	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (C9-12-ISOALKANES ; IPA), 4.1, II	UN 3175 Solids containing flammable liquid, n.o.s. (C9-12-ISOALKANES ; IPA), 4.1, II	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (C9-12-ISOALKANES ; IPA), 4.1, II	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (C9-12-ISOALKANES ; IPA), 4.1, II
14.3. Transport hazard class(es)				
4.1	4.1	4.1	4.1	4.1

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-A EmS-No. (Spillage): S-I	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 216, 274, 601
Limited quantities (ADR) : 1kg
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P002, IBC06, R001
Special packing provisions (ADR) : PP9
Mixed packing provisions (ADR) : MP11
Portable tank and bulk container instructions (ADR) : T3, BK1, BK2
Portable tank and bulk container special provisions (ADR) : TP33
Vehicle for tank carriage : AT
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR) : V11
Special provisions for carriage - Bulk (ADR) : VC1, VC2, AP2
Hazard identification number (Kemler No.) : 40
Orange plates :



Tunnel restriction code (ADR) : E
EAC code : 1Z

Transport by sea

Special provisions (IMDG) : 216, 274
Limited quantities (IMDG) : 1 kg
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P002
Special packing provisions (IMDG) : PP9
IBC packing instructions (IMDG) : IBC06
IBC special provisions (IMDG) : B21
Tank instructions (IMDG) : T3, BK2
Tank special provisions (IMDG) : TP33
Stowage category (IMDG) : B

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Properties and observations (IMDG) : Mixtures of non-dangerous solids (such as soil, sand, production materials etc.) and flammable liquids.

Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y441
PCA limited quantity max net quantity (IATA) : 5kg
PCA packing instructions (IATA) : 445
PCA max net quantity (IATA) : 15kg
CAO packing instructions (IATA) : 448
CAO max net quantity (IATA) : 50kg
Special provisions (IATA) : A46
ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
Special provisions (ADN) : 216, 274, 601, 800
Limited quantities (ADN) : 1 kg
Excepted quantities (ADN) : E2
Carriage permitted (ADN) : B
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE03
Provisions for inspection of holds during carriage (ADN) : IN01, IN02
Number of blue cones/lights (ADN) : 1
Additional requirements/Remarks (ADN) : VE03, IN01 and IN02 apply only when this substance is carried in bulk or without packaging

Rail transport

Classification code (RID) : F1
Special provisions (RID) : 216, 274, 601
Limited quantities (RID) : 1kg
Excepted quantities (RID) : E2
Packing instructions (RID) : P002, IBC06, R001
Special packing provisions (RID) : PP9
Mixed packing provisions (RID) : MP11
Portable tank and bulk container instructions (RID) : T3, BK1, BK2
Portable tank and bulk container special provisions (RID) : TP33
Transport category (RID) : 2
Special provisions for carriage – Packages (RID) : W1
Special provisions for carriage – Bulk (RID) : VC1, VC2, AP2
Colis express (express parcels) (RID) : CE11
Hazard identification number (RID) : 40

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

France

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

ZOFF/UNISOLVE/REMOVE Wipes

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:	
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Liq. Not classified	Flammable liquids Not classified
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H371	May cause damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.