Standard Thinner (UK)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 23/03/2023 Revision date: 05/07/2024 Supersedes version of: 23/03/2026 Version: 5.2

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

1.1. Product identifier

Product form : Mixture
Product name : Standard Thinner (UK)

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

Relevant identified uses

Main use category : Industrial use

1.3. Details of the supplier of the safety data sheet

Supplier
Leading Solvent Supplies Ltd
Marston Business Park
Tockwith
YO26 7QF York North Yorkshire
United Kingdom
T +44 (0) 1423 358058, F +44 (0)1423 358923
enquiries@leading-solvents.co.uk

Supplier information
Leading Solvents Ireland Ltd
The Courtyard, Manor House
3 Church Road
Malahide, Co.Dubin
Ireland
T +353 1 845 7660

1.4. Emergency telephone number

Emergency number : +44 (0) 1423 358058 (Office hours only)

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2	H225
Acute toxicity (inhal.), Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Reproductive toxicity, Category 2	H361d
Specific target organ toxicity – Single exposure, Category 2	H371
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity – Repeated exposure, Category 2	H373
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

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

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS08 GHS09

Signal word (CLP) : Danger

Contains : Xylene; toluene; ethyl acetate

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H336 - May cause drowsiness or dizziness.
H361d - Suspected of damaging the unborn child.
H371 - May cause damage to organs.
H373 - May cause damage to organs through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P243 - Take action to prevent static discharges.
P301+P310 - IF SWALLOWED: Immediately call a doctor.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 - Wear protective clothing, eye protection, face protection, protective gloves.

Extra phrases : Product may discolour and is normal for a recovered material'. This does not affect the performance of the product. Do not soak spray guns overnight.

2.3. Other hazards

Other hazards which do not result in classification : Product may discolour over time. No change in effectivness has been measured due to this and is considered normal.

Contains no PBT and/or vPvB substances ≥ 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]
Acetone substance with national workplace exposure limit(s) (GB, NL); substance with a Community workplace exposure limit	CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330-49	10-30%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Xylene substance with national workplace exposure limit(s) (GB, IE, NL); substance with a Community workplace exposure limit	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	10-30%	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
Toluene substance with national workplace exposure limit(s) (GB, NL); substance with a Community workplace exposure limit	CAS-No.: 108-88-3 EC-No.: 203-625-9 EC Index-No.: 601-021-00-3 REACH-no: 01-2119471310-51	10-30%	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336
Secondary Butyl Alcohol substance with national workplace exposure limit(s) (GB)	CAS-No.: 78-92-2 EC-No.: 201-158-5 EC Index-No.: 603-127-00-5 REACH-no: 01-2119475146-36	5-<10%	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H336 STOT SE 3, H335
Propan-2-ol substance with national workplace exposure limit(s) (DE, GB, NL)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119451558-25	5-<10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ethanol substance with national workplace exposure limit(s) (GB)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	5-<10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Hydrocarbons, C7, nalkanes, isoalkanes, cyclics substance with national workplace exposure limit(s) (GB)	CAS-No.: 64742-49-0 EC-No.: 927-510-4 EC Index-No.: 649-328-00-1 REACH-no: 01-2119475515-33	5-<10%	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Methyl Acetate substance with national workplace exposure limit(s) (GB, IE)	CAS-No.: 79-20-9 EC-No.: 201-185-2 EC Index-No.: 607-021-00-X REACH-no: 01-2119459211-47	5-<10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
Methyl Iso Butyl Ketone substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 108-10-1 EC-No.: 203-550-1 EC Index-No.: 606-004-00-4	5-<10%	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 STOT SE 3, H335 EUH066
Methyl Ethyl Ketone substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 78-93-3 EC-No.: 201-159-0 EC Index-No.: 606-002-00-3 REACH-no: 01-2119457290-43	5-<10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-Butyl Acetate substance with national workplace exposure limit(s) (GB, IE); 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	5-<10%	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066
Iso Propyl Acetate substance with national workplace exposure limit(s) (GB, IE)	CAS-No.: 108-21-4 EC-No.: 203-561-1 EC Index-No.: 607-024-00-6 REACH-no: 01-2119537214-46	5-<10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
ethyl acetate substance with national workplace exposure limit(s) (GB, NL); substance with a Community workplace exposure limit	CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5 REACH-no: 01-2119475103-46	5-<10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
methanol substance with national workplace exposure limit(s) (GB, NL); substance with a Community workplace exposure limit	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44	2.5-<5%	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 (ATE=500 mg/m³) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) STOT SE 1, H370
Tetrahydrofuran substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 109-99-9 EC-No.: 203-726-8 EC Index-No.: 603-025-00-0 REACH-no: 01-2119444314-46	0.5-<1%	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 (ATE=1650 mg/kg bodyweight) Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 EUH019

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44	(3 ≤ C < 10) STOT SE 2; H371 (10 ≤ C ≤ 100) STOT SE 1; H370
Tetrahydrofuran	CAS-No.: 109-99-9 EC-No.: 203-726-8 EC Index-No.: 603-025-00-0 REACH-no: 01-2119444314-46	(25 ≤ C ≤ 100) STOT SE 3; H335 (25 ≤ C ≤ 100) Eye Irrit. 2; H319

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 : Seek medical attention immediately. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary.

First-aid measures after skin contact : Take off immediately all contaminated clothing. Repeated exposure may cause skin dryness or cracking. Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Get immediate medical advice/attention. Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting.

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

Symptoms/effects after inhalation : May cause shortness of breath, tightness of the chest, a sore throat and cough. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Symptoms/effects after skin contact : Causes skin irritation. irritation (itching, redness, blistering). Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : redness, itching, tears. Causes eye irritation. stinging.

Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting. May cause irritation to the digestive tract. Abdominal pain, nausea. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The vapours are denser than air and may travel along the ground. Distance ignition possible. Vapours may cause fire/explosion if source of ignition is present. Highly flammable liquid and vapour.

Explosion hazard : Vapours may form explosive mixture with air.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Stop leak if safe to do so.

For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Cover spill with non combustible material, e.g.: sand, earth, vermiculite.

Methods for cleaning up : Take up liquid spill into absorbent material. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Storage area : Store away from heat.

Special rules on packaging : Keep only in original container.

Packaging materials : Keep only in the original container in a cool,well-ventilated place away from combustible materials.

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

Acetone (67-64-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Acetone
WEL TWA (OEL TWA)	1210 mg/m³
	500 ppm
WEL STEL (OEL STEL)	3620 mg/m³
	1500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Xylene (1330-20-7)	
Ireland - Occupational Exposure Limits	
OEL TWA	221 mg/m³
	50 ppm
OEL STEL	442 mg/m³

Xylene (1330-20-7)	
	100 ppm
United Kingdom - Occupational Exposure Limits	
Local name	Xylene
WEL TWA (OEL TWA)	220 mg/m³
	50 ppm
WEL STEL (OEL STEL)	441 mg/m³
	100 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
United Kingdom - Biological limit values	
Local name	Xylene, o-, m-, p- or mixed isomers
BMGV	650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Toluene (108-88-3)	
United Kingdom - Occupational Exposure Limits	
Local name	Toluene
WEL TWA (OEL TWA)	191 mg/m³
	50 ppm
WEL STEL (OEL STEL)	384 mg/m³
	100 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

Secondary Butyl Alcohol (78-92-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Butan-2-ol
WEL TWA (OEL TWA)	308 mg/m³
	100 ppm
WEL STEL (OEL STEL)	462 mg/m³
	150 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Propan-2-ol (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA)	999 mg/m³
	400 ppm
WEL STEL (OEL STEL)	1250 mg/m³

Propan-2-ol (67-63-0)	
	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Ethanol (64-17-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (OEL TWA)	1920 mg/m³
	1000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	2085 mg/m³

Methyl Acetate (79-20-9)	
Ireland - Occupational Exposure Limits	
OEL TWA	610 mg/m³
	200 ppm
OEL STEL	760 mg/m³
	250 ppm
United Kingdom - Occupational Exposure Limits	
Local name	Methyl acetate
WEL TWA (OEL TWA)	616 mg/m³
	200 ppm
WEL STEL (OEL STEL)	770 mg/m³
	250 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Methyl Iso Butyl Ketone (108-10-1)	
United Kingdom - Occupational Exposure Limits	
Local name	4-Methylpentan-2-one
WEL TWA (OEL TWA)	208 mg/m³
	50 ppm
WEL STEL (OEL STEL)	416 mg/m³
	100 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
United Kingdom - Biological limit values	
Local name	4-methylpentan-2-one
BMGV	20 µmol/l Parameter: 4-methylpentan-2-one - Medium: urine - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Methyl Ethyl Ketone (78-93-3)	
United Kingdom - Occupational Exposure Limits	
Local name	Butan-2-one (methyl ethyl ketone)
WEL TWA (OEL TWA)	600 mg/m³
	200 ppm
WEL STEL (OEL STEL)	899 mg/m³
	300 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
United Kingdom - Biological limit values	
Local name	Butan-2-one (methyl ethyl ketone)
BMGV	70 µmol/l Parameter: butan-2-one - Medium: urine - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

N-Butyl Acetate (123-86-4)	
Ireland - Occupational Exposure Limits	
OEL STEL	723 mg/m³
	150 ppm
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

Iso Propyl Acetate (108-21-4)	
Ireland - Occupational Exposure Limits	
OEL TWA	100 ppm
United Kingdom - Occupational Exposure Limits	
Local name	Isopropyl acetate
WEL STEL (OEL STEL)	849 mg/m³
	200 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

ethyl acetate (141-78-6)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethyl acetate
WEL TWA (OEL TWA)	734 mg/m³
	200 ppm
WEL STEL (OEL STEL)	1468 mg/m³
	400 ppm

ethyl acetate (141-78-6)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

methanol (67-56-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Methanol
WEL TWA (OEL TWA)	266 mg/m³
	200 ppm
WEL STEL (OEL STEL)	333 mg/m³
	250 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

Tetrahydrofuran (109-99-9)	
United Kingdom - Occupational Exposure Limits	
Local name	Tetrahydrofuran
WEL TWA (OEL TWA)	150 mg/m³
	50 ppm
WEL STEL (OEL STEL)	300 mg/m³
	100 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

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment symbol(s):

Eye and face protection

Eye protection:
Safety glasses

Eye protection			
Type	**Field of application**	**Characteristics**	**Standard**
Safety glasses, Safety goggles	Dust, Fine dust	With side shields	EN 166

Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Protective gloves

Hand protection					
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
Disposable gloves	Nitrile rubber (NBR), Butyl rubber, Polyvinylchloride (PVC)	5 (> 240 minutes)	0.44		EN 374-2

Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	**Filter type**	**Condition**	**Standard**
Aerosol mask	ABEK	Vapour protection, Protection for Liquid particles	EN 14387, EN 143

Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Colourless.
Odour	:	Characteristic of solvents.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	55 – 160 °C
Flammability	:	Not applicable
Lower explosion limit	:	1 vol %
Upper explosion limit	:	36.5 vol %
Flash point	:	-20 °C
Auto-ignition temperature	:	> 203 °C
Decomposition temperature	:	Not available
pH	:	7
Viscosity, kinematic	:	Not available
Solubility	:	insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	0.8 – 0.9 g/cm³
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable liquid and vapour.

10.2. Chemical stability

May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

On exposure to high temperature, may decompose, releasing corrosive gases. Carbon dioxide. Carbon monoxide.

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) : Harmful if inhaled.

Standard Thinner (UK)	
LD50 oral	>
LD50 dermal	>
ATE CLP (gases)	30000 ppmv/4h
ATE CLP (vapours)	10.04 mg/l/4h
ATE CLP (dust,mist)	10 mg/l/4h

Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg bodyweight Animal: rat, Animal sex: female
LD50 oral	5800 mg/kg bodyweight
LD50 dermal rat	15800 mg/kg
LD50 dermal	> 15688 mg/kg bodyweight
LC50 Inhalation - Rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4
LC50 Inhalation - Rat (Dust/Mist)	50100 mg/l

Xylene (1330-20-7)	
LD50 oral	3523 mg/kg
LD50 dermal rabbit	12126 mg/kg
LD50 dermal	> 5000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 10000 mg/l

Toluene (108-88-3)	
LD50 oral	5580 mg/kg bodyweight
LD50 dermal rat	>
LD50 dermal	12124 mg/kg bodyweight
LC50 Inhalation - Rat	> mg/l

Toluene (108-88-3)	
LC50 Inhalation - Rat (Dust/Mist)	28100 mg/l

Secondary Butyl Alcohol (78-92-2)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LD50 dermal	> 2000 mg/kg (Guinea pig)
LC50 Inhalation - Rat [ppm]	16000 ppm (Rat, male; 4 h; vapour)

Propan-2-ol (67-63-0)	
LD50 oral	5840 mg/kg
LD50 dermal	13900 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	25000 mg/l/4h

Ethanol (64-17-5)	
LD50 oral rat	10470 mg/kg bw/day
LD50 oral	8300 mg/kg bodyweight Animal: mouse, Remarks on results: other:
LD50 dermal rat	15800 mg/kg
LC50 Inhalation - Rat (Vapours)	20 mg/l/4h

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
LD50 oral rat	> 5840 mg/kg
LD50 dermal rat	> 2920 mg/kg
LC50 Inhalation - Rat (Vapours)	> 23.3 mg/l/4h

Methyl Acetate (79-20-9)	
LD50 oral rat	6482 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	5 g/kg
LC50 Inhalation - Rat	49000 mg/m³

Methyl Iso Butyl Ketone (108-10-1)	
LD50 oral rat	2080 mg/kg
LD50 dermal rabbit	> 2000 mg/kg Dermal, Rabbit OECD 402

Methyl Ethyl Ketone (78-93-3)	
LD50 oral rat	> 2193 mg/kg
LD50 dermal rabbit	> 5000 mg/kg (OECD Test Guideline 402)
LC50 Inhalation - Rat	34 mg/l (Rat; 4 h)

N-Butyl Acetate (123-86-4)	
LD50 oral rat	10768 mg/kg
LD50 dermal rabbit	> 17600 mg/kg
LC50 Inhalation - Rat	23.4 mg/l

Iso Propyl Acetate (108-21-4)	
LD50 oral rat	6750 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:
LD50 dermal rabbit	> 17400 mg/kg (Rabbit, male)
LC50 Inhalation - Rat	50.6 mg/l (Rat, female; 8 h; vapour) (OECD Test Guideline 403)

ethyl acetate (141-78-6)	
LD50 oral	4934 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 20000 mg/kg bodyweight Animal: rabbit, Animal sex: male
LD50 dermal	> 18000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	57700 mg/l

methanol (67-56-1)	
LD50 oral	5628 mg/kg bodyweight
LD50 dermal	15800 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	85000 mg/l

Tetrahydrofuran (109-99-9)	
LD50 oral rat	1650 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other:, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:
LC50 Inhalation - Rat [ppm]	> 5000 ppm Animal: rat, Guideline: other:, Remarks on results: other:

Skin corrosion/irritation : Causes skin irritation.
pH: 7

Acetone (67-64-1)	
pH	5 – 6

Xylene (1330-20-7)	
pH	7

Secondary Butyl Alcohol (78-92-2)	
pH	7

Propan-2-ol (67-63-0)	
pH	5.5

Ethanol (64-17-5)	
pH	7

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
pH	7

Methyl Acetate (79-20-9)	
pH	3.9

Methyl Iso Butyl Ketone (108-10-1)	
pH	4.5

Methyl Ethyl Ketone (78-93-3)	
pH	7

N-Butyl Acetate (123-86-4)	
pH	6.2 Temp.: 20 °C Concentration: 5,3 g/L

Iso Propyl Acetate (108-21-4)	
pH	6

ethyl acetate (141-78-6)	
pH	4

methanol (67-56-1)	
pH	7

Tetrahydrofuran (109-99-9)	
pH	7 – 8 Temp.: 20 °C Concentration: 200 g/L

Serious eye damage/irritation : Causes serious eye irritation.
pH: 7

Acetone (67-64-1)	
pH	5 – 6

Xylene (1330-20-7)	
pH	7

Secondary Butyl Alcohol (78-92-2)	
pH	7

Propan-2-ol (67-63-0)	
pH	5.5

Ethanol (64-17-5)	
pH	7

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
pH	7

Methyl Acetate (79-20-9)	
pH	3.9

Methyl Iso Butyl Ketone (108-10-1)	
pH	4.5

Methyl Ethyl Ketone (78-93-3)	
pH	7

N-Butyl Acetate (123-86-4)	
pH	6.2 Temp.: 20 °C Concentration: 5,3 g/L

Iso Propyl Acetate (108-21-4)	
pH	6

ethyl acetate (141-78-6)	
pH	4

methanol (67-56-1)	
pH	7

Tetrahydrofuran (109-99-9)	
pH	7 – 8 Temp.: 20 °C Concentration: 200 g/L

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging the unborn child.

Methyl Iso Butyl Ketone (108-10-1)	
NOAEL (animal/male, F0/P)	4093 mg/kg

STOT-single exposure : May cause damage to organs. May cause drowsiness or dizziness.

Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

Xylene (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.

Toluene (108-88-3)	
STOT-single exposure	May cause drowsiness or dizziness.

Secondary Butyl Alcohol (78-92-2)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

Propan-2-ol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
STOT-single exposure	May cause drowsiness or dizziness.

Methyl Acetate (79-20-9)	
STOT-single exposure	May cause drowsiness or dizziness.

Methyl Iso Butyl Ketone (108-10-1)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

Methyl Ethyl Ketone (78-93-3)	
STOT-single exposure	May cause drowsiness or dizziness.

N-Butyl Acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.

Iso Propyl Acetate (108-21-4)	
NOAEL (oral, rat)	240 mg/kg bodyweight
NOAEL (acute, oral, animal/male)	> 480 mg/kg bodyweight (Rabbit)(Oral; 19 - 30 d)(EPA OTS 798.4900)Read-across (Analogy)
STOT-single exposure	May cause drowsiness or dizziness.

ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.

methanol (67-56-1)	
STOT-single exposure	Causes damage to organs (central nervous system, eyes) (if inhaled, in contact with skin).

Tetrahydrofuran (109-99-9)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Xylene (1330-20-7)	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Toluene (108-88-3)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Ethanol (64-17-5)	
NOAEL (subchronic, oral, animal/male, 90 days)	< 9700 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	> 9400 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
NOAEC (inhalation, rat, vapour, 90 days)	24.3 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Methyl Iso Butyl Ketone (108-10-1)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	4106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Methyl Ethyl Ketone (78-93-3)	
NOAEC (inhalation, rat, gas, 90 days)	5041 ppmv/6h/day 4 month; 6 hours/day) (OECD Test Guideline 413); No adverse effect has been observed with repeated intake in toxicity tests.

N-Butyl Acetate (123-86-4)	
LOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, gas, 90 days)	500 ppmv/6h/day

Iso Propyl Acetate (108-21-4)	
LOAEC (inhalation, rat, vapour, 90 days)	21409 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

ethyl acetate (141-78-6)	
LOAEL (oral, rat, 90 days)	3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
NOAEL (oral, rat, 90 days)	900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)

Aspiration hazard : May be fatal if swallowed and enters airways.

Acetone (67-64-1)	
Viscosity, kinematic	0.417 mm²/s

Secondary Butyl Alcohol (78-92-2)	
Viscosity, kinematic	2.28 mm²/s (40 °C)

Propan-2-ol (67-63-0)	
Viscosity, kinematic	3.115 mm²/s

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
Viscosity, kinematic	0.55 mm²/s (40°C)

Methyl Acetate (79-20-9)	
Viscosity, kinematic	0.391 mm²/s

Methyl Iso Butyl Ketone (108-10-1)	
Viscosity, kinematic	0.689 mm²/s

Methyl Ethyl Ketone (78-93-3)	
Viscosity, kinematic	0.519 mm²/s

N-Butyl Acetate (123-86-4)	
Viscosity, kinematic	0.83 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

Tetrahydrofuran (109-99-9)	
Viscosity, kinematic	0.539 mm²/s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Acetone (67-64-1)	
LC50 - Fish [1]	5540 mg/l
EC50 - Other aquatic organisms [1]	8800 mg/l
EC50 - Other aquatic organisms [2]	3400 mg/l
EC50 96h - Algae [1]	430 mg/l

Acetone (67-64-1)	
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Xylene (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l
LC50 - Fish [2]	2.661 – 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 - Crustacea [2]	1 mg/l
EC50 - Other aquatic organisms [1]	350 mg/l waterflea
EC50 72h - Algae [1]	2.2 mg/l
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
NOEC chronic crustacea	0.96 mg/l
EC10, algae, long term, algae	0.44 mg/l

Toluene (108-88-3)	
LC50 - Fish [1]	5.5 mg/l
EC50 - Other aquatic organisms [1]	3.78 mg/l waterflea

Secondary Butyl Alcohol (78-92-2)	
LC50 - Fish [1]	2993 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	> 100 mg/l (Pimephales promelas; 96 h) (semi-static test)
EC50 - Crustacea [1]	308 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1972 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	2029 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (acute)	500 mg/l (Pseudomonas putida; 16 h)

Propan-2-ol (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

Ethanol (64-17-5)	
LC50 - Fish [1]	14.2 g/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	> 100 mg/l Leuciscus idus (Golden orfe)
EC50 72h - Algae [1]	275 mg/l (Chlorella vulgaris)
NOEC (chronic)	9.6 mg/l Test organisms (species): Daphnia magna Duration: '9 d'
NOEC chronic fish	9.6 mg/l Daphnia magna

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
LC50 - Fish [1]	> 13.4 mg/l Oncorhynchus mykiss
LC50 - Other aquatic organisms [1]	3 mg/l Daphnia - Daphnia magna 48 hours

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
EC50 72h - Algae [1]	10 mg/l Algae - Raphidocelis
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	1.534 mg/l

Methyl Acetate (79-20-9)	
LC50 - Fish [1]	250 – 350 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [2]	295 – 348 mg/l Species: Pimephales promelas
EC50 - Crustacea [1]	1026.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 120 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	> 120 mg/l (Desmodesmus subspicatus) (72h) (OECD 201)

Methyl Iso Butyl Ketone (108-10-1)	
LC50 - Fish [1]	> 179 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	> 200 mg/l Test organisms (species): Daphnia magna
NOEC chronic crustacea	30 mg/l

Methyl Ethyl Ketone (78-93-3)	
LC50 - Fish [1]	2993 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	308 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1972 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	2029 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

N-Butyl Acetate (123-86-4)	
LC50 - Fish [1]	18 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	100 mg/l Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
EC50 72h - Algae [1]	397 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	246 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	674.7 mg/l (Species: Desmodesmus subspicatus)
LOEC (chronic)	47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	23.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Iso Propyl Acetate (108-21-4)	
LC50 - Fish [1]	400 mg/l Test organisms (species): Pimephales promelas
LC50 - Other aquatic organisms [1]	> 1000 mg/l (Daphnia magna (Water flea); 48 h) (static test; EPA 600/3-75/009)
EC50 - Crustacea [1]	110 mg/l (Artemia salina; 48 h) (static test)
EC50 - Other aquatic organisms [1]	110 mg/l Test organisms (species): Artemia salina
EC50 72h - Algae [1]	370 mg/l (Pseudokirchneriella subcapitata (green algae); 72 h) (static test; End point: Growth rate; OECD Test Guideline 201)Read-across (Analogy)

Iso Propyl Acetate (108-21-4)	
NOEC chronic algae	95 mg/l (Pseudokirchneriella subcapitata (green algae); 72 h) (static test; End point: Growth rate; OECD Test Guideline 201)Read-across (Analogy)

ethyl acetate (141-78-6)	
LC50 - Fish [1]	230 mg/l Test organisms (species): Pimephales promelas
EC50 - Other aquatic organisms [1]	717 mg/l waterflea
EC50 - Other aquatic organisms [2]	3300 mg/l
NOEC (chronic)	2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

methanol (67-56-1)	
LC50 - Fish [1]	10800 mg/l
EC50 - Other aquatic organisms [1]	10000 mg/l waterflea
EC50 - Other aquatic organisms [2]	12000 mg/l
EC50 96h - Algae [1]	22000 mg/l

Tetrahydrofuran (109-99-9)	
LC50 - Fish [1]	2160 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	3485 mg/l
EC50 96h - Algae [1]	3700 mg/l
NOEC chronic fish	216 mg/l Test organisms (species): Pimephales promelas Duration: '33 d'

12.2. Persistence and degradability

Standard Thinner (UK)	
Persistence and degradability	Not rapidly degradable

Acetone (67-64-1)	
Persistence and degradability	Not rapidly degradable

Xylene (1330-20-7)	
Persistence and degradability	Not rapidly degradable

Toluene (108-88-3)	
Persistence and degradability	Not rapidly degradable

Secondary Butyl Alcohol (78-92-2)	
Persistence and degradability	Not rapidly degradable
Biodegradation	98 % (Exposure Time: 5 d)Readily biodegradable.

Propan-2-ol (67-63-0)	
Persistence and degradability	Not rapidly degradable

Ethanol (64-17-5)	
Persistence and degradability	Not rapidly degradable

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
Persistence and degradability	Not rapidly degradable
Biodegradation	98 % Readily - 28 days

Methyl Acetate (79-20-9)	
Persistence and degradability	Not rapidly degradable
Biodegradation	70 % (28d) (OECD 301D)

Methyl Iso Butyl Ketone (108-10-1)	
Persistence and degradability	Not rapidly degradable

Methyl Ethyl Ketone (78-93-3)	
Persistence and degradability	Not rapidly degradable

N-Butyl Acetate (123-86-4)	
Persistence and degradability	Not rapidly degradable

Iso Propyl Acetate (108-21-4)	
Persistence and degradability	Not rapidly degradable
Biodegradation	76 % (aerobic; activated sludge; Related to: O2 consumption; Exposure Time: 20 d)(OECD Test Guideline 301D)Readily biodegradable.

ethyl acetate (141-78-6)	
Persistence and degradability	Not rapidly degradable

methanol (67-56-1)	
Persistence and degradability	Not rapidly degradable

Tetrahydrofuran (109-99-9)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Acetone (67-64-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.24

Xylene (1330-20-7)	
Partition coefficient n-octanol/water (Log Pow)	3.1

Toluene (108-88-3)	
Partition coefficient n-octanol/water (Log Pow)	2.73

Secondary Butyl Alcohol (78-92-2)	
Partition coefficient n-octanol/water (Log Pow)	0.65 (25 °C), Not expected to be bioaccumulative

Propan-2-ol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05

Ethanol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	0.31

Hydrocarbons, C7, nalkanes, isoalkanes, cyclics (64742-49-0)	
Partition coefficient n-octanol/water (Log Pow)	2.2 – 5.2

Methyl Acetate (79-20-9)	
Partition coefficient n-octanol/water (Log Pow)	0.18

Methyl Iso Butyl Ketone (108-10-1)	
Partition coefficient n-octanol/water (Log Pow)	1.9

Methyl Ethyl Ketone (78-93-3)	
Partition coefficient n-octanol/water (Log Kow)	0.3 (40 °C)

N-Butyl Acetate (123-86-4)	
Partition coefficient n-octanol/water (Log Pow)	2.3 (OECD 117)
Partition coefficient n-octanol/water (Log Kow)	1.81 (at 23 °C)

Iso Propyl Acetate (108-21-4)	
Partition coefficient n-octanol/water (Log Pow)	1.18

ethyl acetate (141-78-6)	
Partition coefficient n-octanol/water (Log Pow)	0.7

methanol (67-56-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.7

12.4. Mobility in soil

Methyl Ethyl Ketone (78-93-3)	
Surface tension	24.8 mN/m (20 °C)

N-Butyl Acetate (123-86-4)	
Surface tension	61.3 mN/m (1g/l - 20 °C - OECD 115)

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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapours may accumulate in the container.

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.
HP5 - “Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:” waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP6 - “Acute Toxicity:” waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
HP7 - “Carcinogenic:” waste which induces cancer or increases its incidence
HP4 - “Irritant – skin irritation and eye damage:” waste which on application can cause skin irritation or damage to the eye.
HP14 - “Ecotoxic:” waste which presents or may present immediate or delayed risks for one or more sectors of the environment
HP15 - “Waste capable of exhibiting a hazardous property listed above not directly displayed by the original waste”.

SECTION 14: Transport information

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

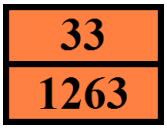
ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1263	UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name				
PAINT / PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	Paint	PAINT	PAINT
Transport document description				
UN 1263 PAINT / PAINT RELATED MATERIAL, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT RELATED MATERIAL, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1263 Paint, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
II	II	II	II	II

ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-E EmS-No. (Spillage): S-E	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 163, 367, 640C, 650
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP8, TP28
Tank code (ADR) : L1.5BN
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : •3YE

Transport by sea

Special provisions (IMDG) : 163, 367
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP8, TP28
Stowage category (IMDG) : B
Properties and observations (IMDG) : Miscibility with water depends upon the composition.

Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A72, A192
ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
Special provisions (ADN) : 163, 367, 640C, 650

Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E2
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	1

Rail transport

Classification code (RID)	:	F1
Special provisions (RID)	:	163, 367, 640C, 650
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E2
Packing instructions (RID)	:	P001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T4
Portable tank and bulk container special provisions (RID)	:	TP1, TP8, TP28
Tank codes for RID tanks (RID)	:	L1.5BN
Transport category (RID)	:	2
Colis express (express parcels) (RID)	:	CE7
Hazard identification number (RID)	:	33

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)

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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
ANNEX II REPORTABLE EXPLOSIVES PRECURSORS
List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

Name	CAS-No.	Combined Nomenclature code (CN)	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Acetone	67-64-1	2914 11 00	ex 3824 99 92

Drug Precursors Regulation (273/2004)

Contains 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)

Name	CN designation	CAS-No.	CN code	Category, Subcategory	Threshold	Annex
Acetone		67-64-1	2914 11 00	Category 3		Annex I
Toluene		108-88-3	2902 30 00	Category 3		Annex I
Methylethylketone	Butanone	78-93-3	2914 12 00	Category 3		Annex I

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	**Changed item**	**Comments**
	Revision date	**Modified**
	Supersedes version of	**Modified**
2.2	Extra phrases	**Modified**

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level

Abbreviations and acronyms:	
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
EUH019	May form explosive peroxides.
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.

Full text of H- and EUH-statements:	
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity – single 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

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.