

# Deblock Oil XS

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
First edition: 22/02/2018 Last revision: 29/07/2025 Supersedes version of: 6/03/2023 Version: 5.0

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

#### 1.1. Product identifier

Product form : Mixture  
Name : Deblock Oil XS  
Product number : 03.1107.9999

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

##### Relevant identified uses

Main use category : Industrial use, Professional use  
Use of the substance or preparation : Unique mix of rust dissolvers and lubricants. Loosens seized parts by quick action on rust/dirt and repels moisture.

#### 1.3. Details of the supplier of the safety data sheet

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#### 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):  
BIG : +32 (0) 14 58 45 45

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) no 1272/2008 (CLP)

Aerosol 1	H222;H229
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 3	H412

Full text of hazard classes, 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) :

Danger

Contains

: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromates; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromates; Acetone; Pentane

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

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

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P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P261 - Avoid breathing mist, vapours, spray.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

EUH-statements

: EUH208 - Contains Fatty acids, C-18 unsatd. trimers, compds. with oleylamine. May produce an allergic reaction.

### 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)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromates	EINECS / ELINCS number: 926-141-6 REACH-no: 01-2119456620-43	25 – 50	Asp. Tox. 1, H304 EUH066
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromates	EINECS / ELINCS number: 919-857-5 REACH-no: 01-2119463258-33	10 – 25	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066
Acetone	CAS number: 67-64-1 EINECS / ELINCS number: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330-49	10 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Pentane	CAS number: 109-66-0 EINECS / ELINCS number: 203-692-4 EC Index-No.: 601-006-00-1 REACH-no: 01-2119459286-30	10 – 25	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
Carbon dioxide	CAS number: 124-38-9 EINECS / ELINCS number: 204-696-9	2,5 – 10	Press. Gas (Comp.), H280
2-Methoxy-1-methylethyl acetate	CAS number: 108-65-6 EINECS / ELINCS number: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791-29	2,5 – 10	Flam. Liq. 3, H226 STOT SE 3, H336
2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol	CAS number: 95-38-5 EINECS / ELINCS number: 204-414-9 REACH-no: 01-2119777867-13	1 – 2,5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% Aromates, Benzene < 0,1%	EINECS / ELINCS number: 918-481-9 REACH-no: 01-2119457273-39	0,1 – 1	Asp. Tox. 1, H304 EUH066

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Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Solvent naphtha (petroleum), light aromatic (Note P)	CAS number: 64742-95-6 EINECS / ELINCS number: 265-199-0 EC Index-No.: 649-356-00-4 REACH-no: 01-2119486773-24	0,1 – 0,25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Fatty acids, C-18 unsatd. trimers, compds. with oleylamine	CAS number: 147900-93-4 REACH-no: 01-2119971821-33	0,1 – 0,25	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Chronic 2, H411

Note P: Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General advice	: Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.
Inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow affected person to breathe fresh air.
Skin contact	: Gently wash with plenty of soap and water.
Eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	: Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

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

Inhalation	: May cause drowsiness or dizziness.
Skin contact	: May cause an allergic skin reaction. Causes skin irritation.
Eyes contact	: Causes serious eye irritation.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Alcohol resistant foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from 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	: Wear suitable protective clothing.
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##### For non-emergency personnel

Protective equipment	: Refer to protective measures listed in Sections 7 and 8.
Emergency procedures	: Evacuate unnecessary personnel.

##### For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Do not allow product to spread into the environment.

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### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : This product and its container must be disposed of in a safe way, and as per local legislation. Do not flush with aqueous cleansing agents. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Provide adequate ventilation.

### 6.4. Reference to other sections

Stable in use and storage conditions as recommended in item 7. Concerning personal protective equipment to use, see section 8. Concerning disposal/elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Do not spray on a naked flame or any incandescent material. Do not pierce or burn, even after use. In use, may form flammable vapour-air mixture.

Precautions for safe handling : Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so. 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.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep in fireproof place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Store in a well-ventilated place. Store in a dry place.

Technical condition(s) : Store in a well-ventilated place. The floor of the depot should be impermeable and designed to form a water-tight basin.

Special rules on packaging : Store in a closed container. Keep only in original container. Store under dry conditions.

### 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

Carbon dioxide (124-38-9)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Carbon dioxide
IOEL TWA	9000 mg/m <sup>3</sup>
	5000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Carbon dioxide
WEL TWA (OEL TWA)	9150 mg/m <sup>3</sup>
	5000 ppm
WEL STEL (OEL STEL)	27400 mg/m <sup>3</sup>
	15000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Acetone (67-64-1)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Acetone
IOEL TWA	1210 mg/m <sup>3</sup>
	500 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

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Acetone (67-64-1)	
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Acetone
WEL TWA (OEL TWA)	1210 mg/m <sup>3</sup>
	500 ppm
WEL STEL (OEL STEL)	3620 mg/m <sup>3</sup>
	1500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

2-Methoxy-1-methylethyl acetate (108-65-6)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	2-Methoxy-1-methylethylacetate
IOEL TWA	275 mg/m <sup>3</sup>
	50 ppm
IOEL STEL	550 mg/m <sup>3</sup>
	100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	1-Methoxypropyl acetate
WEL TWA (OEL TWA)	274 mg/m <sup>3</sup>
	50 ppm
WEL STEL (OEL STEL)	548 mg/m <sup>3</sup>
	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

Pentane (109-66-0)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Pentane
IOEL TWA	3000 mg/m <sup>3</sup>
	1000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC

<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Pentane
WEL TWA (OEL TWA)	1800 mg/m <sup>3</sup>
	600 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### DNEL and PNEC

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromates	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	300 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1500 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	300 mg/kg bodyweight/day

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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromates	
Long-term - systemic effects, inhalation	900 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	300 mg/kg bodyweight/day
Acetone (67-64-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2420 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	186 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1210 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	62 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	200 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	62 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	10,6 mg/l
PNEC aqua (marine water)	1,06 mg/l
PNEC aqua (intermittent, freshwater)	21 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	30,4 mg/kg dwt
PNEC sediment (marine water)	3,04 mg/kg dwt
PNEC (Soil)	
PNEC soil	29,5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l
2-Methoxy-1-methylethyl acetate (108-65-6)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	550 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	796 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	275 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - systemic effects, oral	500 mg/kg bodyweight/day
Long-term - systemic effects, oral	36 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	33 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	320 mg/kg bodyweight/day
Long-term - local effects, inhalation	33 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	0,635 mg/l
PNEC aqua (marine water)	0,0635 mg/l
PNEC aqua (intermittent, freshwater)	6,35 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3,29 mg/kg dwt
PNEC sediment (marine water)	0,329 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,29 mg/kg dwt

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2-Methoxy-1-methylethyl acetate (108-65-6)	
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	100 mg/l
Pentane (109-66-0)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	432 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3000 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	214 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	643 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	214 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	230 µg/l
PNEC aqua (marine water)	230 µg/l
PNEC aqua (intermittent, freshwater)	880 µg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1,2 mg/kg dwt
PNEC sediment (marine water)	1,2 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,55 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	3600 µg/l

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

##### Personal protective equipment:

Gloves. Safety glasses. In case of inadequate ventilation wear respiratory protection. Avoid all unnecessary exposure.

##### Personal protective equipment symbol(s):



#### Eye and face protection

##### Eye protection:

Wear closed safety glasses

#### Skin protection

##### Skin protection:

Wear suitable protective clothing

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### Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Wear protective gloves.

### Respiratory protection

#### Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Grey.
Appearance	: Aerosol.
Odour	: characteristic.
Odour threshold	: Not available
Melting point/melting range	: Not available
Freezing point	: Not available
Boiling point/range	: Not applicable, since the product is an aerosol.
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable, since the product is an aerosol.
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: ≤ 20,5 mm <sup>2</sup> /s (40 °C)
Viscosity, dynamic	: 7500 – 10500 Brookfield sp3 6 rpm
Solubility	: completely soluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 0,818 (20 °C)
Vapour density	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosion limits : 0,5 – 20 vol %

#### Other safety characteristics

V.O.C. (V.O.S.) : 686,7 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. In use, may form flammable/explosive vapour-air mixture.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

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### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromates	
LD50/oral/rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50/dermal/rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 5000 mg/m <sup>3</sup> (8h)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromates	
LD50/oral/rat	≥ 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50/dermal/rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50/inhalation/4h/rat	≥ 50 mg/l

Acetone (67-64-1)	
LD50/oral/rat	5800 mg/kg bodyweight Animal: rat, Animal sex: female
LD50/dermal/rabbit	7800 mg/kg
LC50/inhalation/4h/rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4

2-Methoxy-1-methylethyl acetate (108-65-6)	
LD50/oral/rat	8530 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50/dermal/rabbit	> 5000 mg/kg
LC50/inhalation/4h/rat	> 10000 mg/m <sup>3</sup>

Pentane (109-66-0)	
LD50/oral/rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LD50 dermal rat	> 2500 mg/kg
LD50/dermal/rabbit	> 5000 mg/kg
LC50/inhalation/4h/rat	> 25,3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% Aromates, Benzene < 0,1%	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	> 4951 mg/l

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Additional information : Based on available data, the classification criteria are not met  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Additional information : Based on available data, the classification criteria are not met  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

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Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Based on available data, the classification criteria are not met

<b>Pentane (109-66-0)</b>	
NOAEL (animal/male, F0/P)	300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]
NOAEL (animal/female, F0/P)	≥ 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]

STOT-single exposure	: May cause drowsiness or dizziness.
Additional information	: Based on available data, the classification criteria are not met

<b>Solvent naphtha (petroleum), light aromatic (64742-95-6)</b>	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromates</b>	
STOT-single exposure	May cause drowsiness or dizziness.

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

<b>2-Methoxy-1-methylethyl acetate (108-65-6)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

<b>Pentane (109-66-0)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Based on available data, the classification criteria are not met

<b>2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

<b>2-Methoxy-1-methylethyl acetate (108-65-6)</b>	
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

<b>Pentane (109-66-0)</b>	
NOAEC (inhalation, rat, vapour, 90 days)	30 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: other., Guideline: EPA OTS 798.2450 (90-Day Inhalation Toxicity), Guideline: other., Guideline: other:

<b>Fatty acids, C-18 unsatd. trimers, compds. with oleylamine (147900-93-4)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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

<b>Deblock Oil XS</b>	
Viscosity, kinematic	≤ 20,5 mm <sup>2</sup> /s (40 °C)

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromates</b>	
Viscosity, kinematic	2,4 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'

<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromates</b>	
Viscosity, kinematic	1,33 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'

<b>Pentane (109-66-0)</b>	
Viscosity, kinematic	0,356 mm <sup>2</sup> /s

### 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

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

Acetone (67-64-1)	
EC50 - Other aquatic organisms [1]	8300 mg/l (Fish, 96h)
EC50 - Other aquatic organisms [2]	8800 mg/l (Daphnia magna)
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'

2-Methoxy-1-methylethyl acetate (108-65-6)	
LC50/96h/fish	> 100 mg/l Test organisms (species): Oryzias latipes
EC50/24h/daphnia magna	> 500 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [2]	> 500 mg/l Daphnia magna
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	47,5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'

Pentane (109-66-0)	
LC50/96h/fish	1 – 10 mg/l
EC50/48h/daphnia magna	9,7 mg/l

#### 12.2. Persistence and degradability

Deblock Oil XS	
Persistence and degradability	Not readily biodegradable.

2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)	
Persistence and degradability	Not established.

Solvent naphtha (petroleum), light aromatic (64742-95-6)	
Persistence and degradability	Not established.

Carbon dioxide (124-38-9)	
Persistence and degradability	Not established.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromates	
Persistence and degradability	Not established.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromates	
Persistence and degradability	Not established.

Acetone (67-64-1)	
Persistence and degradability	Not established.

2-Methoxy-1-methylethyl acetate (108-65-6)	
Persistence and degradability	Not established.

Pentane (109-66-0)	
Persistence and degradability	Not established.

Fatty acids, C-18 unsatd. trimers, compds. with oleylamine (147900-93-4)	
Persistence and degradability	Not established.

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Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% Aromates, Benzene < 0,1%	
Persistence and degradability	Not established.
<b>12.3. Bioaccumulative potential</b>	
Deblock Oil XS	
Bioaccumulative potential	Not established.
2-Methoxy-1-methylethyl acetate (108-65-6)	
Partition coefficient n-octanol/water (Log Pow)	1,2
<b>12.4. Mobility in soil</b>	
No additional information available	
<b>12.5. Results of PBT and vPvB assessment</b>	
No additional information available	
<b>12.6. Endocrine disrupting properties</b>	
No additional information available	
<b>12.7. Other adverse effects</b>	
Other adverse effects	: Harmful to fishes.
Deblock Oil XS	
General information(s)	Avoid release to the environment,Harmful to aquatic organisms,Danger of pollution of drinking water when product enters the soil

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Waste / unused products	: Avoid release to the environment. Hazardous waste due to toxicity. Do not dispose of with domestic waste.
European List of Waste (LoW, EC 2000/532)	: 07 06 04* - other organic solvents, washing liquids and mother liquors 15 01 04 - metallic packaging

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1. UN number or ID number

UN-No. (ADR)	: UN 1950
UN-No. (IMDG)	: UN 1950
UN-No. (IATA)	: UN 1950

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: AEROSOLS, flammable
Proper Shipping Name (IMDG)	: AEROSOLS
Proper Shipping Name (IATA)	: Aerosols, flammable
Transport document description (ADR) (ADR)	: UN 1950 AEROSOLS, flammable, 2.1, (D)
Transport document description (IMDG)	: UN 1950 AEROSOLS, 2
Transport document description (IATA)	: UN 1950 Aerosols, flammable, 2.1

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)	: 2.1
Danger labels (ADR)	: 2.1



#### IMDG

Transport hazard class(es) (IMDG)	: 2.1
Danger labels (IMDG)	: 2.1

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### IATA

Transport hazard class(es) (IATA) : 2.1

Danger labels (IATA) : 2.1



### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

EmS-No. (Fire) : F-D

EmS-No. (Spillage) : S-U

Further information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : 5F

Limited quantities (ADR) : 1I

Transport category (ADR) : 2

Tunnel restriction code : D

#### Transport by sea

Limited quantities (IMDG) : 1 L

#### Air transport

No data available

### 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 (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

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### VOC Directive (2004/42)

V.O.C. (V.O.S.) : 686,7 g/l

### 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)

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes	<b>Modified</b>
	Last revision	<b>Modified</b>
2.2	Precautionary statements (CLP)	<b>Modified</b>
3	Composition/information on ingredients	<b>Modified</b>
9	Vapour pressure	<b>Removed</b>
9	V.O.C. (V.O.S.)	<b>Modified</b>
9	Solubility	<b>Modified</b>
12.2	Persistence and degradability	<b>Modified</b>
12.7	General information(s)	<b>Modified</b>

## Abbreviations and acronyms:

	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	ATE = Acute Toxicity Estimate
	CAS = Chemical Abstracts Service
	CSR = Chemical Safety Report
	CLP = Classification, labelling and packaging
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No-Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent
	MAK = Maximale Arbeitsplatzkonzentrationen
	LEL = Lower Explosion Limit

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Abbreviations and acronyms:	
	MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSch = Najwyższe Dopuszczalne Stężenie Chwilowe
	OEL = Occupational Exposure Limits
	PNEC = Predicted No-Effect Concentration
	PBT = Persistent, bioaccumulative and toxic
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STEL = Short term exposure limit
	STOT RE = specific target organ toxicity repeated exposure
	STOT SE = specific target organ toxicity single exposure
	SVHC = Substance of Very High Concern
	TLV = Threshold Limit Value
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	UEL = Upper Explosion Limit
	VLA-EC = valores límite ambientales para la exposición de corta duración
	VLA-ED = valores límite ambientales para la exposición diaria
	VLE = Valeur Limite d'exposition
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefährdungsklasse

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)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aerosol 1	Aerosol, Category 1
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 Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Comp.)	Gases under pressure : Compressed gas

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Full text of H- and EUH-statements:	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause 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.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Fatty acids, C-18 unsatd. trimers, compds. with oleylamine. May produce an allergic reaction.

SDS PCS Innotec 2025

Disclaimer with regard to REACH:

The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.