SAFETY DATA SHEET
NESSOL D100+

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

1.1. Product identifier

Product name: NESSOL D100+
Chemical name: Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics
Product number: ID 13019
Synonyms; trade names: Previous product name: NESSOL LIAV 300.
EU REACH registration number: 01-2119485032-45-0001

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

Identified uses:
- Manufacture of substance
- Distribution of substance
- Formulation & (re)packing of substances and mixtures
- Uses in coatings
- Use in cleaning agents
- Use in oil and gas field drilling and production operations
- Lubricants
- Metal working fluids/rolling oils
- Use as binders and release agents
- Use as a fuel
- Functional fluids
- Road and construction applications
- Other Consumer Uses
- Use in laboratories
- Explosives manufacture & use
- Polymer processing
- Water treatment chemicals
- Mining chemicals

1.3. Details of the supplier of the safety data sheet

Supplier: Neste Oyj
Keilaranta 21, Espoo, P.O.B. 95, FIN-00095 NESTE, FINLAND
Tel. +358 10 45811
SDS@neste.com (chemical safety)

1.4. Emergency telephone number

Emergency telephone: +61 2 9186 1132, Chemwatch: International Emergency Response Phone Number
National emergency telephone number: +358 800 147 111, +358 9 471 977, Poison Information Centre

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)
Physical hazards: Not Classified
Health hazards: Asp. Tox. 1 - H304
Environmental hazards: Not Classified

2.2. Label elements

Hazard pictograms

Signal word: Danger
NESSOL D100+

Hazard statements
H304 May be fatal if swallowed and enters airways.

Precautionary statements
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information
EUH066 Repeated exposure may cause skin dryness or cracking.

Contains
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics

2.3. Other hazards
Combustible liquid. Evaporates slowly. Vapours may irritate throat/respiratory system. Risk of soil and ground water contamination.

This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</th>
<th>100 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: —</td>
<td>EC number: 928-253-0</td>
</tr>
</tbody>
</table>

Classification
Asp. Tox. 1 - H304

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Product name
NESSOL D100+

Chemical name
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics

EU REACH registration number
01-2119485032-45-0001

Composition comments
Total aromatics at maximum: 1 vol-%. Identity outside the EU (CAS number and name of the substance): CAS 64742-47-8, Distillates (petroleum) hydrodesulfurized, light. Previous EC number: 265-149-8.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.

Ingestion
Do not induce vomiting. Get medical attention immediately.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact
Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

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

General information
Repeated exposure may cause skin dryness or cracking. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

4.3. Indication of any immediate medical attention and special treatment needed
NESSOL D100+

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Combustible liquid. Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products

Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Avoid inhalation of vapours and contact with skin and eyes. Wear adequate protective equipment at all operations.

For emergency responders

Prevent unauthorized access.

6.2. Environmental precautions

Environmental precautions

Avoid release to the environment. Stop leak if safe to do so. Avoid the spillage or runoff entering drains, sewers or watercourses. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Risk of soil and ground water contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Immediately start clean-up of the liquid and contaminated soil. Contain spillage with sand, earth or other suitable non-combustible material. Large spills should be collected mechanically (remove by pumping) for disposal. Pay attention to the fire and health hazards caused by the product.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

This material is a static accumulator. Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharges. Use only in well-ventilated areas. Try to avoid product volatilization during handling and transferring. Avoid inhalation of vapours and contact with skin and eyes. Use personal protective equipment and/or local ventilation when needed. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. During tank operations follow special instructions (risk of oxygen displacement and hydrocarbons).
NESSOL D100+

7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**

7.3. Specific end use(s)
Specific end use(s) Not known.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

**Ingredient comments**
Solvent naphtha, group 1: 500 mg/m3 (8h), HTP 2020/FIN. The individual limit values can be applied for the hydrocarbons.

**DNEL**
DNEL derivation is not justified.

**PNEC**
Not available.

8.2. Exposure controls

**Appropriate engineering controls**
Provide adequate ventilation. Use personal protective equipment and/or local ventilation when needed. Handle in accordance with good industrial hygiene and safety practice.

**Eye/face protection**
Spectacles.

**Hand protection**
Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Neoprene. The breakthrough time for any glove material may be different for different glove manufacturers. Protective gloves according to standard EN 374. Change protective gloves regularly.

**Other skin and body protection**
Protective clothing when needed. Wear anti-static protective clothing if there is a risk of ignition from static electricity.

**Respiratory protection**
Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Gas and combination filter cartridges suitable for intended use should be used. Filter must be changed often enough. At high concentrations a breathing apparatus must be used (self-contained or fresh air hose breathing apparatus).

**Environmental exposure controls**
Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

**Appearance**
Mobile liquid.

**Colour**
Clear.

**Odour**
Hydrocarbons. Mild.

**Odour threshold**
-

**pH**
-

**Melting point**
(Melting/pour point) < -15°C

**Initial boiling point and range**
230-310°C (EN ISO 3405)
NESSOL D100+

Flash point  
>= 100°C (EN ISO 2719)

Upper/lower flammability or explosive limits
Lower flammable/explosive limit: 0,5 %  Upper flammable/explosive limit: 5,5 %

Vapour pressure  
< 0,01 kPa @ 20°C  
~ 2,4 kPa @ 50°C

Vapour density  
> 3 (Air = 1.0)

Relative density  
~ 0,8 @ 15/4°C (ISO 12185)

Solubility(ies)  
The product has poor water-solubility. (~ 10 mg/l)

Partition coefficient  
log Kow: > 3

Auto-ignition temperature  
230°C Estimated value.

Decomposition Temperature  
-

Viscosity  
Kinematic viscosity 2,3 - 5 mm2/s @ 20°C Dynamic viscosity < 50 mPa @ 20°C

Explosive properties  
Not considered to be explosive.

Oxidising properties  
Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information  
Surface tension 24-26 mN/m @ 25 °C (Wilhelmy plate method)

Molecular weight  
~ 208

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity  
There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability  
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions  
No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid  
Keep away from heat, sparks and open flame. Take precautionary measures against static discharges.

10.5. Incompatible materials

Materials to avoid  
Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products  
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects  
Based on available data the classification criteria are not met.

Skin corrosion/irritation
NESSOL D100+

Skin corrosion/irritation Based on available data the classification criteria are not met. (OECD 404) Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation Based on available data the classification criteria are not met. (OECD 405).

Skin sensitisation Based on available data the classification criteria are not met. (OECD 406).

Germ cell mutagenicity Based on available data the classification criteria are not met. (OECD 471 (Ames test), 473, 476, 479).

Genotoxicity - in vitro Based on available data the classification criteria are not met. (OECD 474, 475, 483).

Skin sensitisation Based on available data the classification criteria are not met.

Serious eye damage/irritation Based on available data the classification criteria are not met. (OECD 405).

Genotoxicity - in vivo Based on available data the classification criteria are not met. (OECD 471 (Ames test), 473, 476, 479).

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met. (OECD 414)

Specific target organ toxicity - single exposure
STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

General information This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.

Toxicological information on ingredients.

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Acute toxicity - oral
Notes (oral LD₅₀) \(LD₅₀ > 5000\) mg/kg, Oral, Rat (OECD 401)

Acute toxicity - dermal
Notes (dermal LD₅₀) \(LD₅₀ > 3160\) mg/kg, Dermal, Rabbit (OECD 402)

Acute toxicity - inhalation
Notes (inhalation LC₅₀) \(LC₅₀ > 5266\) mg/m³, Inhalation, Rat (4h) (OECD 403)

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Based on available data the classification criteria are not met.

Ecological information on ingredients.

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics
NESSOL D100+

### Acute aquatic toxicity

- **Acute toxicity - fish**
  - LL₅₀, 96 hours: > 1028 mg/l, Fish
  - (OECD 203)

- **Acute toxicity - aquatic invertebrates**
  - LL₅₀, 24 hours: > 3193 mg/l,
  - (ISO 14669-1999)

- **Acute toxicity - aquatic plants**
  - EL₅₀, 72 hours: > 10000 mg/l, Algae
  - (ISO 10253)

### Chronic aquatic toxicity

- **Chronic toxicity - fish early life stage**
  - NOELR, 28 days: > 1000 mg/l, Fish
  - (QSAR)

- **Chronic toxicity - aquatic invertebrates**
  - NOELR, 21 days: > 1000 mg/l,
  - (QSAR)

### 12.2. Persistence and degradability

**Phototransformation**

The product contains volatile substances which may spread in the atmosphere. Can be photodegraded in the atmosphere.

**Stability (hydrolysis)**

No significant reaction in water.

**Ecological information on ingredients.**

- **Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

**Biodegradation**

- Rapidly degradable
  - (OECD 301, 306)

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**

No data available.

**Partition coefficient**

- log Kow: > 3

### 12.4. Mobility in soil

**Mobility**

Evaporates slowly. Product can penetrate soil until reaching the surface of ground water. The product contains substances which are bound to particulate matter and are retained in soil.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects**

- Not known.

**Endocrine-disrupting properties**

This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information**

- Waste is classified as hazardous waste.
NESSOL D100+

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Product residues retained in emptied containers can be hazardous. Waste packaging should be collected for reuse or recycling.

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
UN No. (ADR/RID) -

14.2. UN proper shipping name
Proper shipping name (ADR/RID) -

14.3. Transport hazard class(es)
ADR/RID class -

14.4. Packing group
ADR/RID packing group -

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable. MARPOL Annex I cargo.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulations
EU regulatory references for the safety data sheet:

15.2. Chemical safety assessment
A chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data
NESSOL D100+

Revision comments
Updated, sections: 1.4, 2.3, 11, 12.6, 14.7.
NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date
01/01/2023

Supersedes date
14/03/2019

SDS number
5959

Hazard statements in full
H304 May be fatal if swallowed and enters airways.
Exposure scenario
Formulation

Identification

Product name Solvent, Heavy dearomatized - Category 8
Version number N - 2021

1. Title of exposure scenario

Main title Formulation
Environment
Environmental release category ERC2 Formulation into mixture

Worker
Process category PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC4 Chemical production where opportunity for exposure arises
PROC5 Mixing or blending in batch processes
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
PROC14 Tabletting, compression, extrusion, pelletisation, granulation
PROC15 Use as laboratory reagent.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure
No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures
Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice
Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario
## Coatings - Consumer

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Version number</strong></td>
</tr>
</tbody>
</table>

1. **Title of exposure scenario**

- **Main title**: Coatings - Consumer
- **Product category**: PC1 Adhesives, sealants. PC4 Anti-freeze and de-icing products. PC9a Coatings and paints, thinners, paint removers. PC9b Fillers, putties, plasters, modelling clay. PC9c Finger paints. PC15 Non-metal-surface treatment products. PC18 Ink and toners. PC23 Leather treatment products PC24 Lubricants, greases and release products. PC31 Polishes and wax blends. PC34 Textile dyes and impregnating products PC0 Other products.

**Environment**

- **Environmental release category**: ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

2. **Conditions of use affecting exposure (Non-industrial - Environment 1)**

- **Control of environmental exposure (Non-industrial)**
  
  No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

3. **Conditions of use affecting exposure (Non-industrial - Health 1)**

- **Other given operational conditions affecting Non-industrial exposure**
  
  Consumer information: Do not ingest. If swallowed, then seek immediate medical assistance. Avoid contact with eyes and prolonged skin contact. No specific risk management measure identified beyond those operational conditions stated.

4. **Exposure estimation (Health 1)**

  Qualitative approach used to conclude safe use.
Exposure scenario
Metalworking Fluids - Industrial

Identification

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<tr>
<th>Product name</th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version number</td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

1. Title of exposure scenario

<table>
<thead>
<tr>
<th>Main title</th>
<th>Metalworking Fluids - Industrial</th>
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</thead>
<tbody>
<tr>
<td>Environment</td>
<td>ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)</td>
</tr>
<tr>
<td>Worker</td>
<td>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</td>
</tr>
</tbody>
</table>

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure
No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures
Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice
Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)
Metalworking Fluids - Industrial

Qualitative approach used to conclude safe use.
Exposure scenario
Polymer processing - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8
Version number N - 2021

1. Title of exposure scenario

Main title Polymer processing - Industrial
Sector of use SU10 Formulation [mixing] of preparations and/or re-packaging

Environment

Environmental release category ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

Worker Process category

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC4 Chemical production where opportunity for exposure arises
PROC5 Mixing or blending in batch processes
PROC6 Calendering operations.
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
PROC13 Treatment of articles by dipping and pouring.
PROC14 Tabletting, compression, extrusion, pelletisation, granulation
PROC21 Low energy manipulation and handling of substances bound in/on materials or articles

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.
3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario
## Use in laboratories - Industrial

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
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<td><strong>Version number</strong></td>
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</tbody>
</table>

### 1. Title of exposure scenario
- **Main title**: Use in laboratories - Industrial

### Environment
- **Environmental release category**
  - ERC2 Formulation into mixture
  - ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

### Worker
- **Process category**
  - PROC10 Roller application or brushing
  - PROC15 Use as laboratory reagent.

### 2. Conditions of use affecting exposure (Industrial - Environment 1)
- **Control of environmental exposure**
  - No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Workers - Health 1)
- **Risk management measures**
  - Avoid splashing.
  - Avoid contact with contaminated tools and objects.
  - Avoid contact with eyes and prolonged skin contact.
  - Handle in accordance with good industrial hygiene and safety practice.
  - Assumes a good basic standard of occupational hygiene is implemented.
  - If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.
- **Additional advice**
  - Do not ingest. If swallowed, then seek immediate medical assistance.

### 3. Exposure estimation (Health 1)
- Qualitative approach used to conclude safe use.
Exposure scenario
Use as binders and release agents - Industrial

Identification

Product name
Solvent, Heavy dearomatized - Category 8

Version number
N - 2021

1. Title of exposure scenario

Main title
Use as binders and release agents - Industrial

Environment

Environmental release category
ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

Worker

Process category
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC4 Chemical production where opportunity for exposure arises
PROC6 Calendering operations.
PROC7 Industrial spraying
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC10 Roller application or brushing
PROC13 Treatment of articles by dipping and pouring.
PROC14 Tabletting, compression, extrusion, pelletisation, granulation

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure
No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario

## Lubricants - Industrial

### Identification

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### 1. Title of exposure scenario

<table>
<thead>
<tr>
<th>Main title</th>
<th>Lubricants - Industrial</th>
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</thead>
</table>

### Environment

<table>
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<tr>
<th>Environmental release category</th>
<th>ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ERC7 Use of functional fluid at industrial site</td>
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</table>

### Worker

<table>
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<th>Process category</th>
<th>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</th>
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<tbody>
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<td>PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</td>
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<td>PROC13 Treatment of articles by dipping and pouring.</td>
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<tr>
<td></td>
<td>PROC17 Lubrication at high energy conditions in metal working operations</td>
</tr>
<tr>
<td></td>
<td>PROC18 General greasing/lubrication at high kinetic energy conditions</td>
</tr>
</tbody>
</table>

### 2. Conditions of use affecting exposure (Industrial - Environment 1)

#### Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Workers - Health 1)

#### Risk management measures

- Avoid splashing.
- Avoid contact with contaminated tools and objects.
- Avoid contact with eyes and prolonged skin contact.
- Handle in accordance with good industrial hygiene and safety practice.
- Assumes a good basic standard of occupational hygiene is implemented.

  - If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

#### Additional advice

- Do not ingest. If swallowed, then seek immediate medical assistance.

### 3. Exposure estimation (Health 1)
Lubricants - Industrial

Qualitative approach used to conclude safe use.
# Exposure scenario
## Functional fluids - Industrial

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Version number</strong></td>
</tr>
</tbody>
</table>

## 1. Title of exposure scenario

<table>
<thead>
<tr>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main title</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Worker</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Environment release category</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Worker</th>
</tr>
</thead>
</table>
| **Process category** | PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions  
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions  
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition  
PROC4 Chemical production where opportunity for exposure arises  
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities  
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities  
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing) |

## 2. Conditions of use affecting exposure (Industrial - Environment 1)

### Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

## 2. Conditions of use affecting exposure (Workers - Health 1)

### Risk management measures

- Avoid splashing.
- Avoid contact with contaminated tools and objects.
- Avoid contact with eyes and prolonged skin contact.
- Handle in accordance with good industrial hygiene and safety practice.
- Assumes a good basic standard of occupational hygiene is implemented.
- If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

### Additional advice

- Do not ingest. If swallowed, then seek immediate medical assistance.

## 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario
## Coatings - Industrial

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Version number</strong></td>
</tr>
</tbody>
</table>

1. **Title of exposure scenario**

| Main title | Coatings - Industrial |

<table>
<thead>
<tr>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Environmental release category</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Worker</th>
</tr>
</thead>
</table>
| **Process category** | PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions  
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions  
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition  
PROC4 Chemical production where opportunity for exposure arises  
PROC5 Mixing or blending in batch processes  
PROC7 Industrial spraying  
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities  
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities  
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)  
PROC10 Roller application or brushing  
PROC13 Treatment of articles by dipping and pouring.  
PROC14 Tabletting, compression, extrusion, pelletisation, granulation  
PROC15 Use as laboratory reagent. |

2. **Conditions of use affecting exposure (Industrial - Environment 1)**

   **Control of environmental exposure**

   No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

3. **Conditions of use affecting exposure (Workers - Health 1)**

   **Risk management measures**

   Avoid splashing.  
   Avoid contact with contaminated tools and objects.  
   Avoid contact with eyes and prolonged skin contact.  
   Handle in accordance with good industrial hygiene and safety practice.  
   Assumes a good basic standard of occupational hygiene is implemented.  

   If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

   **Additional advice**

   Do not ingest. If swallowed, then seek immediate medical assistance.

4. **Exposure estimation (Health 1)**
Coatings - Industrial

Qualitative approach used to conclude safe use.
Exposure scenario
Distribution - Industrial

Identification

Product name
Solvent, Heavy dearomatized - Category 8

Version number
N - 2021

1. Title of exposure scenario

Main title
Distribution - Industrial

Environment

Environmental release category
- ERC1 Manufacture of the substance
- ERC2 Formulation into mixture
- ERC3 Formulation into solid matrix
- ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- ERC5 Use at industrial site leading to inclusion into/onto article
- ERC6a Use of intermediate
- ERC6b Use of reactive processing aid at industrial site (no inclusion into or onto article)
- ERC6c Use of monomer in polymerisation processes at industrial site (inclusion or not into/onto article)
- ERC6d Use of reactive process regulators in polymerisation processes at industrial site (inclusion or not into/onto article)
- ERC7 Use of functional fluid at industrial site

Worker

Process category
- PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
- PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
- PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
- PROC4 Chemical production where opportunity for exposure arises
- PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
- PROC15 Use as laboratory reagent.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure
No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures
Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable
gloves tested to EN374 and provide employee skin care programmes.

Additional advice
Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
Exposure scenario
Use as a fuel - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8
Version number N - 2021

1. Title of exposure scenario

Main title Use as a fuel - Industrial

Environment

Environmental release category ERC7 Use of functional fluid at industrial site

Worker

Process category PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC16 Use of fuels

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario

## Water treatment applications - Industrial

### Identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version number</td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

### 1. Title of exposure scenario

<table>
<thead>
<tr>
<th>Main title</th>
<th>Water treatment applications - Industrial</th>
</tr>
</thead>
</table>

### Environment

<table>
<thead>
<tr>
<th>Environmental release category</th>
<th>ERC3 Formulation into solid matrix</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)</td>
</tr>
</tbody>
</table>

### Worker

<table>
<thead>
<tr>
<th>Process category</th>
<th>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td></td>
<td>PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</td>
</tr>
<tr>
<td></td>
<td>PROC4 Chemical production where opportunity for exposure arises</td>
</tr>
<tr>
<td></td>
<td>PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</td>
</tr>
<tr>
<td></td>
<td>PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities</td>
</tr>
<tr>
<td></td>
<td>PROC13 Treatment of articles by dipping and pouring.</td>
</tr>
</tbody>
</table>

### 2. Conditions of use affecting exposure (Industrial - Environment 1)

#### Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Workers - Health 1)

#### Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

#### Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.

### 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
Exposure scenario
Mining chemicals - Industrial

Identification

Product name  Solvent, Heavy dearomatized - Category 8
Version number N - 2021

1. Title of exposure scenario

Main title  Mining chemicals - Industrial
Environment
Environmental release category  ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

Worker
Process category
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC4 Chemical production where opportunity for exposure arises
PROC5 Mixing or blending in batch processes
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure
No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures
Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice
Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
Exposure scenario
Uses as binders and release agents - Professional

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
</tr>
<tr>
<td>Version number</td>
</tr>
</tbody>
</table>

1. Title of exposure scenario

| Main title | Uses as binders and release agents - Professional |

Environment

<table>
<thead>
<tr>
<th>Environmental release category</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)</td>
</tr>
<tr>
<td>ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)</td>
</tr>
</tbody>
</table>

Worker

<table>
<thead>
<tr>
<th>Process category</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td>PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td>PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</td>
</tr>
<tr>
<td>PROC4 Chemical production where opportunity for exposure arises</td>
</tr>
<tr>
<td>PROC6 Calendering operations</td>
</tr>
<tr>
<td>PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</td>
</tr>
<tr>
<td>PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities</td>
</tr>
<tr>
<td>PROC10 Roller application or brushing</td>
</tr>
<tr>
<td>PROC11 Non industrial spraying</td>
</tr>
<tr>
<td>PROC14 Tabletting, compression, extrusion, pelletisation, granulation</td>
</tr>
</tbody>
</table>

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
## Exposure scenario

### Water treatment applications - Professional

### Identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version number</td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

### 1. Title of exposure scenario

<table>
<thead>
<tr>
<th>Environment</th>
<th>ERC8f Widespread use leading to inclusion into/onto article (outdoor)</th>
</tr>
</thead>
</table>

### Worker

<table>
<thead>
<tr>
<th>Process category</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td>PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</td>
</tr>
<tr>
<td>PROC4 Chemical production where opportunity for exposure arises</td>
</tr>
<tr>
<td>PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</td>
</tr>
<tr>
<td>PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities</td>
</tr>
<tr>
<td>PROC13 Treatment of articles by dipping and pouring.</td>
</tr>
</tbody>
</table>

### 2. Conditions of use affecting exposure (Industrial - Environment 1)

#### Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Workers - Health 1)

#### Risk management measures

- Avoid splashing.
- Avoid contact with contaminated tools and objects.
- Avoid contact with eyes and prolonged skin contact.
- Handle in accordance with good industrial hygiene and safety practice.
- Assumes a good basic standard of occupational hygiene is implemented.
- If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

#### Additional advice

- Do not ingest. If swallowed, then seek immediate medical assistance.

### 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
Exposure scenario
Polymer processing - Professional

Identification

Product name: Solvent, Heavy dearomatized - Category 8
Version number: N - 2021

1. Title of exposure scenario

Main title: Polymer processing - Professional

Environment

Environmental release category:
- ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

Worker

Process category:
- PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
- PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
- PROC6 Calendering operations.
- PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- PROC14 Tabletting, compression, extrusion, pelletisation, granulation
- PROC21 Low energy manipulation and handling of substances bound in/on materials or articles

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
**Exposure scenario**

**Metalworking fluids - Professional**

**Identification**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version number</td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

1. **Title of exposure scenario**

| Main title                     | Metalworking fluids - Professional       |

**Environment**

<table>
<thead>
<tr>
<th>Environmental release category</th>
<th>ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)</td>
</tr>
</tbody>
</table>

**Worker**

<table>
<thead>
<tr>
<th>Process category</th>
<th>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td></td>
<td>PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</td>
</tr>
<tr>
<td></td>
<td>PROC5 Mixing or blending in batch processes</td>
</tr>
<tr>
<td></td>
<td>PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</td>
</tr>
<tr>
<td></td>
<td>PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities</td>
</tr>
<tr>
<td></td>
<td>PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</td>
</tr>
<tr>
<td></td>
<td>PROC10 Roller application or brushing</td>
</tr>
<tr>
<td></td>
<td>PROC11 Non industrial spraying</td>
</tr>
<tr>
<td></td>
<td>PROC13 Treatment of articles by dipping and pouring.</td>
</tr>
<tr>
<td></td>
<td>PROC17 Lubrication at high energy conditions in metal working operations</td>
</tr>
</tbody>
</table>

2. **Conditions of use affecting exposure (Industrial - Environment 1)**

**Control of environmental exposure**

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. **Conditions of use affecting exposure (Workers - Health 1)**

**Risk management measures**

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

**Additional advice**

Do not ingest. If swallowed, then seek immediate medical assistance.

3. **Exposure estimation (Health 1)**
Metalworking fluids - Professional

Qualitative approach used to conclude safe use.
# Exposure scenario

## Use in laboratories - Professional

### Identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version number</td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

### 1. Title of exposure scenario

| Main title                     | Use in laboratories - Professional |

### Environment

| Environmental release category | ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) |

### Worker

| Process category               | PROC10 Roller application or brushing PROC15 Use as laboratory reagent. |

### 2. Conditions of use affecting exposure (Industrial - Environment 1)

**Control of environmental exposure**

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Workers - Health 1)

**Risk management measures**

- Avoid splashing.
- Avoid contact with contaminated tools and objects.
- Avoid contact with eyes and prolonged skin contact.
- Handle in accordance with good industrial hygiene and safety practice.
- Assumes a good basic standard of occupational hygiene is implemented.

  - If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

**Additional advice**

- Do not ingest. If swallowed, then seek immediate medical assistance.

### 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
Exposure scenario
Functional fluids - Professional

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Version number</strong></td>
</tr>
</tbody>
</table>

1. Title of exposure scenario

<table>
<thead>
<tr>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Environmental release category</strong></td>
</tr>
<tr>
<td>ERC9a Widespread use of functional fluid (indoor)</td>
</tr>
<tr>
<td>ERC9b Widespread use of functional fluid (outdoor)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Worker</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Process category</strong></td>
</tr>
<tr>
<td>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td>PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td>PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</td>
</tr>
<tr>
<td>PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</td>
</tr>
<tr>
<td>PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</td>
</tr>
<tr>
<td>PROC20 Use of functional fluids in small devices</td>
</tr>
</tbody>
</table>

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario

## Coatings - Professional

### Identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version number</td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

### Main title

Coatings - Professional

### Environment

#### Environmental release category

- ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

### Worker

#### Process category

- PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
- PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
- PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
- PROC4 Chemical production where opportunity for exposure arises
- PROC5 Mixing or blending in batch processes
- PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- PROC10 Roller application or brushing
- PROC11 Non industrial spraying
- PROC13 Treatment of articles by dipping and pouring.
- PROC15 Use as laboratory reagent.
- PROC19 Manual activities involving hand contact

### 2. Conditions of use affecting exposure (Industrial - Environment 1)

#### Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Workers - Health 1)

#### Risk management measures

- Avoid splashing.
- Avoid contact with contaminated tools and objects.
- Avoid contact with eyes and prolonged skin contact.
- Handle in accordance with good industrial hygiene and safety practice. Assumes a good basic standard of occupational hygiene is implemented.
- If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

#### Additional advice

- Do not ingest. If swallowed, then seek immediate medical assistance.

### 3. Exposure estimation (Health 1)
Coatings - Professional

Qualitative approach used to conclude safe use.
# Exposure scenario

**Use in oil & gas field drilling & production operations - Professional**

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Version number</strong></td>
</tr>
</tbody>
</table>

## 1. Title of exposure scenario

**Main title**

Use in oil & gas field drilling & production operations - Professional

## Environment

### Environmental release category

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

## Worker

### Process category

- PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
- PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
- PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
- PROC4 Chemical production where opportunity for exposure arises
- PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

## 2. Conditions of use affecting exposure (Industrial - Environment 1)

### Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Workers - Health 1)

### Risk management measures

- Avoid splashing.
- Avoid contact with contaminated tools and objects.
- Avoid contact with eyes and prolonged skin contact.
- Handle in accordance with good industrial hygiene and safety practice.
- Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

### Additional advice

- Do not ingest. If swallowed, then seek immediate medical assistance.

## 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
Exposure scenario
Road and construction applications - Professional

Identification

Product name  Solvent, Heavy dearomatized - Category 8
Version number  N - 2021

1. Title of exposure scenario

Main title  Road and construction applications - Professional

Environment

Environmental release category  
ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
ERC8f Widespread use leading to inclusion into/onto article (outdoor)

Worker

Process category  
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
PROC10 Roller application or brushing
PROC11 Non industrial spraying
PROC13 Treatment of articles by dipping and pouring.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure  
No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice  
Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario

**Explosive manufacture and use - Professional**

## Identification

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Version number</strong></td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

## 1. Title of exposure scenario

| **Main title** | Explosive manufacture and use - Professional |

## Environment

| **Environmental release category** | ERC8e Widespread use of reactive processing aid (no inclusion into or onto article, outdoor) |

## Worker

<table>
<thead>
<tr>
<th><strong>Process category</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td>PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td>PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</td>
</tr>
<tr>
<td>PROC5 Mixing or blending in batch processes</td>
</tr>
<tr>
<td>PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</td>
</tr>
<tr>
<td>PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities</td>
</tr>
</tbody>
</table>

## 2. Conditions of use affecting exposure (Industrial - Environment 1)

### Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

## 2. Conditions of use affecting exposure (Workers - Health 1)

### Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

### Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.

## 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario

**Cleaning - Professional**

## Identification

- **Product name**: Solvent, Heavy dearomatized - Category 8
- **Version number**: N - 2021

## 1. Title of exposure scenario

- **Main title**: Cleaning - Professional

## Environment

- **Environmental release category**:
  - ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
  - ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

## Worker

- **Process category**:
  - PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
  - PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
  - PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
  - PROC4 Chemical production where opportunity for exposure arises
  - PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
  - PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
  - PROC10 Roller application or brushing
  - PROC11 Non industrial spraying
  - PROC13 Treatment of articles by dipping and pouring.

## 2. Conditions of use affecting exposure (Industrial - Environment 1)

### Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

## 2. Conditions of use affecting exposure (Workers - Health 1)

### Risk management measures

- Avoid splashing.
- Avoid contact with contaminated tools and objects.
- Avoid contact with eyes and prolonged skin contact.
- Handle in accordance with good industrial hygiene and safety practice. Assumes a good basic standard of occupational hygiene is implemented.
  - If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

### Additional advice

- Do not ingest. If swallowed, then seek immediate medical assistance.

## 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
Exposure scenario
Use as a fuel - Professional

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Version number</strong></td>
</tr>
</tbody>
</table>

1. Title of exposure scenario

| Main title | Use as a fuel - Professional |

Environment

<table>
<thead>
<tr>
<th>Environmental release category</th>
<th>ERC9a Widespread use of functional fluid (indoor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERC9b Widespread use of functional fluid (outdoor)</td>
<td></td>
</tr>
</tbody>
</table>

Worker

<table>
<thead>
<tr>
<th>Process category</th>
<th>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</td>
<td></td>
</tr>
<tr>
<td>PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</td>
<td></td>
</tr>
<tr>
<td>PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</td>
<td></td>
</tr>
<tr>
<td>PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities</td>
<td></td>
</tr>
<tr>
<td>PROC16 Use of fuels</td>
<td></td>
</tr>
</tbody>
</table>

2. Conditions of use affecting exposure (Industrial - Environment 1)

Control of environmental exposure

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Workers - Health 1)

Risk management measures

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice

Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
## Exposure scenario
### Lubricants - Professional

### Identification

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Version number</strong></td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

### 1. Title of exposure scenario

<table>
<thead>
<tr>
<th><strong>Main title</strong></th>
<th>Lubricants - Professional</th>
</tr>
</thead>
</table>

### Environment

<table>
<thead>
<tr>
<th><strong>Environmental release category</strong></th>
<th>ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)</td>
</tr>
<tr>
<td></td>
<td>ERC9a Widespread use of functional fluid (indoor)</td>
</tr>
<tr>
<td></td>
<td>ERC9b Widespread use of functional fluid (outdoor)</td>
</tr>
</tbody>
</table>

### Worker

<table>
<thead>
<tr>
<th><strong>Process category</strong></th>
<th>PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</td>
</tr>
<tr>
<td></td>
<td>PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</td>
</tr>
<tr>
<td></td>
<td>PROC4 Chemical production where opportunity for exposure arises</td>
</tr>
<tr>
<td></td>
<td>PROC7 Industrial spraying</td>
</tr>
<tr>
<td></td>
<td>PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</td>
</tr>
<tr>
<td></td>
<td>PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities</td>
</tr>
<tr>
<td></td>
<td>PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</td>
</tr>
<tr>
<td></td>
<td>PROC10 Roller application or brushing</td>
</tr>
<tr>
<td></td>
<td>PROC11 Non industrial spraying</td>
</tr>
<tr>
<td></td>
<td>PROC13 Treatment of articles by dipping and pouring, PROC17 Lubrication at high energy conditions in metal working operations</td>
</tr>
<tr>
<td></td>
<td>PROC18 General greasing/lubrication at high kinetic energy conditions</td>
</tr>
<tr>
<td></td>
<td>PROC20 Use of functional fluids in small devices</td>
</tr>
</tbody>
</table>

### 2. Conditions of use affecting exposure (Industrial - Environment 1)

**Control of environmental exposure**

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Workers - Health 1)

**Risk management measures**
Lubricants - Professional

Avoid splashing.
Avoid contact with contaminated tools and objects.
Avoid contact with eyes and prolonged skin contact.
Handle in accordance with good industrial hygiene and safety practice.
 Assumes a good basic standard of occupational hygiene is implemented.

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.

Additional advice
Do not ingest. If swallowed, then seek immediate medical assistance.

3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
## Identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version number</td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

## 1. Title of exposure scenario

<table>
<thead>
<tr>
<th>Main title</th>
<th>Other consumer uses - Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product category</td>
<td>PC28 Perfumes, fragrances.</td>
</tr>
<tr>
<td></td>
<td>PC39 Cosmetics, personal care.</td>
</tr>
</tbody>
</table>

## Environment

<table>
<thead>
<tr>
<th>Environmental release category</th>
<th>ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)</td>
</tr>
</tbody>
</table>

## 2. Conditions of use affecting exposure (Non-industrial - Environment 1)

### Control of environmental exposure (Non-industrial)

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

## 2. Conditions of use affecting exposure (Non-industrial - Health 1)

### Other given operational conditions affecting Non-industrial exposure

<table>
<thead>
<tr>
<th>Consumer information</th>
<th>Do not ingest. If swallowed, then seek immediate medical assistance.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Avoid contact with eyes and prolonged skin contact. No specific risk management measure identified beyond those operational conditions stated.</td>
</tr>
</tbody>
</table>

## 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
# Exposure scenario
## Fuels - Consumer

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Version number</strong></td>
</tr>
</tbody>
</table>

1. **Title of exposure scenario**

<table>
<thead>
<tr>
<th>Main title</th>
<th>Fuels - Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product category</strong></td>
<td>PC13 Fuels.</td>
</tr>
</tbody>
</table>

2. **Conditions of use affecting exposure (Non-industrial - Environment 1)**

**Control of environmental exposure (Non-industrial)**

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

3. **Conditions of use affecting exposure (Non-industrial - Health 1)**

**Other given operational conditions affecting Non-industrial exposure**

| Consumer information | RCH006a Keep lamps filled with this liquid out of the reach of children. RCH006b Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage. RCH006c Just a sip of grill lighter may lead to life threatening lung damage. Do not ingest. If swallowed, then seek immediate medical assistance. Avoid contact with eyes and prolonged skin contact. No specific risk management measure identified beyond those operational conditions stated. |

3. **Exposure estimation (Health 1)**

Qualitative approach used to conclude safe use.
## Exposure scenario

### Lubricants - Consumer

### Identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Solvent, Heavy dearomatized - Category 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version number</td>
<td>N - 2021</td>
</tr>
</tbody>
</table>

### 1. Title of exposure scenario

<table>
<thead>
<tr>
<th>Main title</th>
<th>Lubricants - Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product category</td>
<td>PC1 Adhesives, sealants.</td>
</tr>
<tr>
<td></td>
<td>PC24 Lubricants, greases and release products.</td>
</tr>
<tr>
<td></td>
<td>PC31 Polishes and wax blends.</td>
</tr>
<tr>
<td></td>
<td>PC0 Other products.</td>
</tr>
<tr>
<td></td>
<td>PC6 Automotive care products.</td>
</tr>
</tbody>
</table>

### Environment

<table>
<thead>
<tr>
<th>Environmental release category</th>
<th>ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)</td>
</tr>
<tr>
<td></td>
<td>ERC9a Widespread use of functional fluid (indoor)</td>
</tr>
<tr>
<td></td>
<td>ERC9b Widespread use of functional fluid (outdoor)</td>
</tr>
</tbody>
</table>

### 2. Conditions of use affecting exposure (Non-industrial - Environment 1)

#### Control of environmental exposure (Non-industrial)

No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

### 2. Conditions of use affecting exposure (Non-industrial - Health 1)

#### Other given operational conditions affecting Non-industrial exposure

#### Consumer Information

- Do not ingest. If swallowed, then seek immediate medical assistance.
- Avoid contact with eyes and prolonged skin contact. No specific risk management measure identified beyond those operational conditions stated.

### 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.
Exposure scenario
Cleaning - Consumer

Identification
Product name Solvent, Heavy dearomatized - Category 8
Version number N - 2021

1. Title of exposure scenario
Main title Cleaning - Consumer
Product category PC3 Air care products.
PC4 Anti-freeze and de-icing products.
PC8 Biocidal products
PC9a Coatings and paints, thinners, paint removers.
PC9b Fillers, putties, plasters, modelling clay.
PC9c Finger paints.
PC24 Lubricants, greases and release products.
PC35 Washing and cleaning products
PC38 Welding and soldering products, flux products

Environment
Environmental release category ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

2. Conditions of use affecting exposure (Non-industrial - Environment 1)
Control of environmental exposure (Non-industrial)
No exposure assessment presented for the environment. The product components are not classified as environmentally hazardous.

2. Conditions of use affecting exposure (Non-industrial - Health 1)
Other given operational conditions affecting Non-industrial exposure
Consumer information Do not ingest. If swallowed, then seek immediate medical assistance.
Avoid contact with eyes and prolonged skin contact. No specific risk management measure identified beyond those operational conditions stated.

3. Exposure estimation (Health 1)
Qualitative approach used to conclude safe use.
# Exposure scenario
## Functional fluids - Consumer

<table>
<thead>
<tr>
<th>Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Version number</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1. Title of exposure scenario</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main title</strong></td>
</tr>
</tbody>
</table>
| **Product category** | PC16 Heat transfer fluids.  
PC17 Hydraulic fluids. |

<table>
<thead>
<tr>
<th>Environment</th>
</tr>
</thead>
</table>
| **Environmental release category** | ERC9a Widespread use of functional fluid (indoor)  
ERC9b Widespread use of functional fluid (outdoor) |

<table>
<thead>
<tr>
<th>2. Conditions of use affecting exposure (Non-Industrial - Environment 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Control of environmental exposure (Non-industrial)</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Conditions of use affecting exposure (Non-Industrial - Health 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other given operational conditions affecting Non-industrial exposure</strong></td>
</tr>
</tbody>
</table>
| **Consumer Information** | Do not ingest. If swallowed, then seek immediate medical assistance.  
Avoid contact with eyes and prolonged skin contact. No specific risk management measure identified beyond those operational conditions stated. |

<table>
<thead>
<tr>
<th>3. Exposure estimation (Health 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualitative approach used to conclude safe use.</td>
</tr>
</tbody>
</table>