



## SAFETY DATA SHEET NESSOL D60

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

#### 1.1. Product identifier

<b>Product name</b>	NESSOL D60
<b>Chemical name</b>	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
<b>Product number</b>	ID 10526
<b>Internal identification</b>	135159, 137411, 137420, 137511, 137520.
<b>Synonyms; trade names</b>	Previous product name: NESSOL LIAV 230. Previous product number: 752511, 752520.
<b>EU REACH registration number</b>	01-2119457273-39-0000

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

<b>Identified uses</b>	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 production Polymer processing Water treatment chemicals Mining chemicals De-icing and anti-icing applications Propellant
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#### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	Neste Oyj Keilaranta 21, Espoo, P.O.B. 95, FIN-00095 NESTE, FINLAND Tel. +358 10 45811 SDS@neste.com (chemical safety)
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#### 1.4. Emergency telephone number

<b>Emergency telephone</b>	+61 2 9186 1132, Chemwatch: International Emergency Response Phone Number
<b>National emergency telephone number</b>	+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)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Asp. Tox. 1 - H304
<b>Environmental hazards</b>	Not Classified

#### 2.2. Label elements

## NESSOL D60

### Hazard pictograms



<b>Signal word</b>	Danger
<b>Hazard statements</b>	H304 May be fatal if swallowed and enters airways.
<b>Precautionary statements</b>	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.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
<b>2.3. Other hazards</b>	
<b>Other hazards</b>	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

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	100 %
CAS number: —	
<b>Classification</b>	
Asp. Tox. 1 - H304	

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

<b>Product name</b>	NESSOL D60
<b>Chemical name</b>	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
<b>EU REACH registration number</b>	01-2119457273-39-0000
<b>Ingredient notes</b>	Total aromatics at maximum: 1 vol-%. Identity outside the EU (CAS number and name of the substance): 64742-48-9, Naphtha (petroleum), hydrotreated heavy Previous EC number: 265-150-3.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Do not induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

## NESSOL D60

**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

**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 (CO<sub>2</sub>). 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

## NESSOL D60

### 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).

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

**Storage precautions** Flammable liquid storage. Store in accordance with local regulations. Keep container tightly closed, in a cool, well ventilated place. Keep away from food, drink and animal feeding stuffs. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Suitable container materials: Stainless steel. Carbon steel. Polytetrafluoroethylene (PTFE, Teflon). Polypropene Polyethylene. Unsuitable container materials: Butyl rubber. Rubber (natural, latex). EPDM (ethylene-propylene-diene monomer). Polystyrene

### 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/m<sup>3</sup> (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.

## NESSOL D60

<b>Odour</b>	Hydrocarbons. Mild.
<b>Odour threshold</b>	-
<b>pH</b>	-
<b>Melting point</b>	(Melting/pour point) < -20°C (ASTM D 5950)
<b>Initial boiling point and range</b>	175...225°C (EN ISO 3405)
<b>Flash point</b>	≥ 61°C (EN ISO 2719)
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: ~0,6 % (calculated) Upper flammable/explosive limit: ~7 % (calculated)
<b>Vapour pressure</b>	0,05 kPa @ 20°C ~ 2 kPa @ 50°C
<b>Vapour density</b>	> 3 (Air = 1.0)
<b>Relative density</b>	~ 0,8 @ 15/4°C (ISO 12185)
<b>Solubility(ies)</b>	The product has poor water-solubility. (~ 10 mg/l)
<b>Partition coefficient</b>	log Kow: > 3
<b>Auto-ignition temperature</b>	>200°C Estimated value.
<b>Decomposition Temperature</b>	-
<b>Viscosity</b>	Kinematic viscosity < 3 mm <sup>2</sup> /s @ 40°C (ASTM D 7042) Dynamic viscosity is below 50 mPa.s in temperatures > -30 °C.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information** Surface tension 23-28 mN/m @ 25 °C (Wilhelmy plate method)

## 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.

## NESSOL D60

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	Based on available data the classification criteria are not met.
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met. (OECD 404) Repeated exposure may cause skin dryness or cracking.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met. (OECD 405).
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met. (OECD 406).
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met. (OECD 471, 473, 476, 479).
<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met. (OECD 474)
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Not classified as a specific target organ toxicant after a single exposure.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met. (OECD 408, 413)
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	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, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 15000 mg/kg bw, Oral, Rat (OECD 401)

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> > 3160 mg/kg bw, Dermal, Rabbit (OECD 402)

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> > 6100 mg/m<sup>3</sup>, Inhalation, Rat (4h) (OECD 403)

### SECTION 12: Ecological information

#### 12.1. Toxicity

## NESSOL D60

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

### Ecological information on ingredients.

#### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

##### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)  
LL<sub>0</sub>, 96 hours: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)  
(OECD 203)

**Acute toxicity - aquatic invertebrates** LL<sub>50</sub>, 48 hours: > 1000 mg/l, Daphnia magna  
LL<sub>0</sub>, EL<sub>0</sub>, 48 hours: 1000 mg/l, Daphnia magna  
(OECD 202)  
LL<sub>50</sub>, 96 hours: > 1000 mg/l, Marine water  
NOELR, 96 hours: 32 mg/l, Marine water  
(EPA OPPTS 850.1020)

**Acute toxicity - aquatic plants** EL<sub>50</sub>, 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata  
NOELR, 72 hours: 1000 mg/l, Pseudokirchneriella subcapitata  
(OECD 201)

**Acute toxicity - microorganisms** EL<sub>50</sub>, 48 hours: > 1000 mg/l, Tetrahymena pyriformis  
(QSAR)

##### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** NOELR, 28 days: 0,101 mg/l, Oncorhynchus mykiss (Rainbow trout)  
(QSAR)

**Chronic toxicity - aquatic invertebrates** NOELR, 21 days: 0,176 mg/l, Daphnia magna  
(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, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

**Biodegradation** Rapidly degradable  
(OECD 301F)

### 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

## NESSOL D60

<b>Other adverse effects</b>	Not known.
<b>Endocrine-disrupting properties</b>	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

<b>General information</b>	Waste is classified as hazardous waste.
<b>Disposal methods</b>	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

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



## NESSOL D60

### National regulations

UK Registration number: UK-01-0468758243-9-XXXX.

Only Representative UK: Penman Consulting Limited 40, Aspect House, Waylands Avenue, Grove Business Park, Wantage, Oxon, OX12 9FF, United Kingdom; Telephone: 01367 718474, Email: pcltd40@penmanconsulting.com.

Location of manufacture: Neste Porvoo Refinery, Finland.

EU regulatory references for the safety data sheet:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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 (as amended).

### Restrictions (SI 2020 No. 1577 Annex XVII)

Entry number: 3 (lamp oils and grill lighter fluids)

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

## SECTION 16: Other information

### Abbreviations and acronyms used in the safety data sheet

DNEL = Derived No-Effect Level  
 PNEC = Predicted No-Effect Concentration  
 PROC = Process Category  
 PC = Product Category  
 ERC = Environmental Release Category

### Key literature references and sources for data

Regulations, databases, literature, own research. Chemical Safety Report Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, 2021.

### 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

13/06/2022

### SDS number

5622

### 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 Tableting, 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

### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

### 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.

### 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

### Metalworking Fluids - Industrial

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Metalworking Fluids - 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  
 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.  
 PROC17 Lubrication at high energy conditions in metal working operations

#### 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 Tableting, 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.

## Polymer processing - Industrial

### 3. Exposure estimation (Health 1)

Qualitative approach used to conclude safe use.

## Exposure scenario

### Drilling - Industrial

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Drilling - 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

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

### Manufacturing - Industrial

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Manufacturing - Industrial

#### Environment

**Environmental release category** ERC1 Manufacture of the substance  
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  
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  
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

### Polymer Production - Industrial

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Polymer Production - Industrial

**Sector of use**

- SU8 Manufacture of bulk, large-scale chemicals (including petroleum products)
- SU9 Manufacture of fine chemicals
- SU10 Formulation [mixing] of preparations and/or re-packaging
- SU11 Manufacture of rubber products
- SU12 Manufacture of plastics products, including compounding and conversion
- SU13 Manufacture of other non-metallic mineral products

#### Environment

**Environmental release category**

- ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or 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
- 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)
- PROC14 Tableting, 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

## Polymer Production - Industrial

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.

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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

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 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 Tableting, 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

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

### 1. Title of exposure scenario

**Main title** Lubricants - Industrial

#### Environment

**Environmental release category** ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or 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  
 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.  
 PROC17 Lubrication at high energy conditions in metal working operations  
 PROC18 General greasing/lubrication at high kinetic energy conditions

### 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

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Functional fluids - 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  
 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

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Coatings - 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

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 Tableting, 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)

## 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

## Distribution - Industrial

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

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Water treatment applications - Industrial

#### Environment

**Environmental release category** ERC3 Formulation into solid matrix  
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  
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  
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

### 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

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Uses as binders and release agents - 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  
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  
PROC10 Roller application or brushing  
PROC11 Non industrial spraying  
PROC14 Tableting, 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

### De-icing and anti-icing applications - Professional

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** De-icing and anti-icing applications - 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  
 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  
 PROC11 Non industrial spraying

#### 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

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Water treatment applications - Professional

#### Environment

**Environmental release category** ERC8f Widespread use leading to inclusion into/onto article (outdoor)

#### Worker

**Process category** PROC1 Chemical production or refinery in closed process without likelihood of 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  
 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

### 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 Tableting, 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

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Metalworking fluids - 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  
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)  
PROC10 Roller application or brushing  
PROC11 Non industrial spraying  
PROC13 Treatment of articles by dipping and pouring.  
PROC17 Lubrication at high energy conditions in metal working operations

#### 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

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 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

#### Identification

**Product name** Solvent, Heavy deodorized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Functional fluids - Professional

#### Environment

**Environmental release category** ERC9a Widespread use of functional fluid (indoor)  
ERC9b Widespread use of functional fluid (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  
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities  
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)  
PROC20 Use of functional fluids in small devices

#### 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 - Professional

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**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

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 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.

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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

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 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

**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

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

#### 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

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Use as a fuel - Professional

#### Environment

**Environmental release category** ERC9a Widespread use of functional fluid (indoor)  
ERC9b Widespread use of functional fluid (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  
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

### Lubricants - Professional

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Lubricants - 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)

ERC9a Widespread use of functional fluid (indoor)

ERC9b Widespread use of functional fluid (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

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

PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring.

PROC17 Lubrication at high energy conditions in metal working operations

PROC18 General greasing/lubrication at high kinetic energy conditions

PROC20 Use of functional fluids in small devices

#### 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.



## Exposure scenario

### Other consumer uses - Consumer

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Other consumer uses - Consumer

**Product category** PC28 Perfumes, fragrances.  
PC39 Cosmetics, personal care.

#### 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

### Fuels - Consumer

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Fuels - Consumer

**Product category** PC13 Fuels.

#### Environment

**Environmental release category** ERC9a Widespread use of functional fluid (indoor)  
ERC9b Widespread use of functional fluid (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** 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

### Propellants - Consumer

#### Identification

**Product name** Solvent, Heavy deodorized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Propellants - Consumer

**Product category**

- PC1 Adhesives, sealants.
- PC3 Air care products.
- PC4 Anti-freeze and de-icing products.
- PC9a Coatings and paints, thinners, paint removers.
- PC9b Fillers, putties, plasters, modelling clay.
- PC9c Finger paints.
- PC24 Lubricants, greases and release products.
- PC31 Polishes and wax blends.
- PC35 Washing and cleaning products
- PC0 Other products.
- PC5 Artists supply and hobby preparations.
- PC10 Building and construction preparations not covered elsewhere.

#### 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 Lubricants - Consumer

### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

### 1. Title of exposure scenario

**Main title** Lubricants - Consumer

**Product category** PC1 Adhesives, sealants.  
PC24 Lubricants, greases and release products.  
PC31 Polishes and wax blends.  
PC0 Other products.  
PC6 Automotive care 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)  
ERC9a Widespread use of functional fluid (indoor)  
ERC9b Widespread use of functional fluid (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 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

#### Identification

**Product name** Solvent, Heavy dearomatized - Category 8

**Version number** N - 2021

#### 1. Title of exposure scenario

**Main title** Functional fluids - Consumer

**Product category** PC16 Heat transfer fluids.  
PC17 Hydraulic fluids.

#### Environment

**Environmental release category** ERC9a Widespread use of functional fluid (indoor)  
ERC9b Widespread use of functional fluid (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.