



SAFETY DATA SHEET NESSOL D100

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

1.1. Product identifier

Product name	NESSOL D100
Chemical name	Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics
Product number	ID 10528
Internal identification	135154
Synonyms; trade names	Previous product name: NESSOL LIAV 270
REACH registration number	01-2119485032-45-0001

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

Identified uses	Manufacture of substance, Use as an intermediate, 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 Rubber production and processing Polymer processing Water treatment chemicals Mining chemicals
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1.3. Details of the supplier of the safety data sheet

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

National emergency telephone number	+358-9-471 977, +358-9-4711, Poison Information Centre
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Asp. Tox. 1 - H304
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



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

NESSOL D100

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

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

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

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics	100 %
CAS number: —	REACH registration number: 01-2119485032-45-XXXX
Classification Asp. Tox. 1 - H304	

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

Ingestion Do not induce vomiting. Get medical attention immediately.

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

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

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

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

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

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.

NESSOL D100

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 ₂). 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	Avoid inhalation of vapours and contact with skin and eyes. Wear adequate protective equipment at all operations.
For non-emergency personnel	Keep upwind to avoid inhalation of gases, vapours, fumes and smoke.
For emergency responders	Prevent unauthorized access. Use only in well-ventilated areas.

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.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Immediately start clean-up of the liquid and contaminated soil. Large spills should be collected mechanically (remove by pumping) for disposal. Small Spillages: Absorb spillage with sand or other inert absorbent. Pay attention to the fire and health hazards caused by the product.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	This material is a static accumulator. Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharges. All handling should only take place 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).
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7.2. Conditions for safe storage, including any incompatibilities

NESSOL D100

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. Take precautions against leakage by constructing collecting pools and sewerage systems as well as by surfacing the loading and unloading stations. Suitable container materials: Stainless steel. Carbon steel. Polytetrafluoroethylene (PTFE, Teflon). Polypropylene 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/m³ (8h), HTP 2018/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 All handling should only take place in well-ventilated areas. Use personal protective equipment and/or local ventilation when needed. Handle in accordance with good industrial hygiene and safety practice.

Eye/face protection Tight-fitting safety glasses.

Hand protection Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Neoprene. The selected gloves should have a breakthrough time of at least 4 hours. Protection class 5. Protective gloves according to standards EN 420 and 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 Filter device/half mask Gas filter, type A2. Filter device could be used maximum 2 hours at a time. Filter devices must not be used in conditions where the oxygen level is low (< 19 vol.-%). At high concentrations a breathing apparatus must be used (self-contained or fresh air hose breathing apparatus). Filter must be changed often enough. Respirator according to standard EN 140.

Environmental exposure controls Take precautions against leakage by constructing collecting pools and sewerage systems as well as by surfacing the loading and unloading stations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Mobile liquid.

Colour Clear.

Odour Hydrocarbons. Mild.

Odour threshold -

pH -

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

NESSOL D100

Initial boiling point and range	222-275°C (EN ISO 3405)
Flash point	≥ 90°C (EN ISO 2719)
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0,5 % Upper flammable/explosive limit: 5,5 %
Vapour pressure	~ 0,01 kPa @ 20°C ~ 1,2 kPa @ 50°C
Vapour density	> 3 (Air = 1.0)
Relative density	~ 0,8 @ 15/4°C (ISO 12185)
Solubility(ies)	The product has poor water-solubility. (~ 10 mg/l)
Partition coefficient	log Kow: > 3
Auto-ignition temperature	230°C Estimated value.
Decomposition Temperature	-
Viscosity	Kinematic viscosity 2,3 - 4 mm ² /s @ 20°C Dynamic viscosity < 50 mPa s @ > - 30°C
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
9.2. Other information	
Other information	Surface tension 24-26 mN/m @ 25 °C (Wilhelmy plate method)
Molecular weight	~ 208

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Skin corrosion/irritation

NESSOL D100

Skin corrosion/irritation	Based on available data the classification criteria are not met. (OECD 404) Repeated exposure may cause skin dryness or cracking.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met. (OECD 405).
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met. (OECD 406).
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met. (OECD 471 (Ames test), 473, 476, 479).
Genotoxicity - in vivo	Based on available data the classification criteria are not met. (OECD 474, 475, 483)
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met. (OECD 414)
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	May be fatal if swallowed and enters airways. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Toxicological information on ingredients.

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

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 5000 mg/kg, Oral, Rat (OECD 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 3160 mg/kg, Dermal, Rabbit (OECD 402)

Acute toxicity - inhalation

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

SECTION 12: Ecological information

12.1. Toxicity

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

Ecological information on ingredients.

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

Acute aquatic toxicity

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

NESSOL D100

Acute toxicity - aquatic invertebrates	LL ₅₀ , 24 hours: > 3193 mg/l, (ISO 14669-1999)
Acute toxicity - aquatic plants	EL50, 72 hours: > 10000 mg/l, Algae (ISO 10253)
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	NOELR, 28 days: > 1000 mg/l, Fish (QSAR)
Chronic toxicity - aquatic invertebrates	NOELR, 21 days: > 1000 mg/l, (QSAR)

12.2. Persistence and degradability

Phototransformation	The product contains volatile substances which may spread in the atmosphere. Can be photodegraded in the atmosphere.
Stability (hydrolysis)	No significant reaction in water.

Ecological information on ingredients.

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

Biodegradation	Rapidly degradable (OECD 301, 306)
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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.
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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.
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12.6. Other adverse effects

Other adverse effects	Not known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

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

NESSOL D100

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 Bulk (MARPOL 73/78, Annex II): Noxious liquid, NF, (7) n.o.s. (NESSOL D100 contains Iso- and cyclo-alkanes (C12+)). Ship type: 3 Pollution category: Cat Y According to MARPOL: "Non-solidifying substance"

SECTION 15: Regulatory information

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

EU legislation 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).
Commission Regulation (EU) No 2015/830 of 28 May 2015.
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).

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data Regulations, databases, literature, own research. Chemical Safety Report Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics.

Revision comments Exposure scenarios

Revision date 07/01/2019

Supersedes date 21/11/2017

SDS number 5956

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

Exposure scenario Distribution - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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.

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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 Formulation

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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 - 2017

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

Coatings - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Coatings - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Cleaning - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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.

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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 Cleaning - Consumer

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Drilling - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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.

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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 oil & gas field drilling & production operations - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Lubricants - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Lubricants - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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 Lubricants - Consumer

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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.

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

Metalworking Fluids - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Metalworking fluids - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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 as binders and release agents - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Uses as binders and release agents - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Fuels - Consumer

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Use as a fuel - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Use as a fuel - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Functional fluids - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Functional fluids - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Functional fluids - Consumer

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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.

Exposure scenario

Road and construction applications - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Other consumer uses - Consumer

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Use in laboratories - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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 in laboratories - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Explosive manufacture and use - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Polymer processing - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Polymer processing - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Water treatment applications - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Water treatment applications - Professional

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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

Mining chemicals - Industrial

Identification

Product name Solvent, Heavy dearomatized - Category 8

Version number N - 2017

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.