

Safety data sheet according to UK REACH Regulation

Printing date 30.09.2022

Version number 90

Revision: 30.09.2022

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

· **1.1 Product identifier**

· Trade name **Jowat 401.10**

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

No further relevant information available.

· **Application of the substance / the mixture**

Solvents

Cleaning agent/ Cleaner

· **Uses advised against** Restricted to professional users.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Jowat SE

Ernst-Hilker-Str. 10 - 14; D - 32758 Detmold

Fon +49 (0)5231 749 0

e-mail: info@jowat.de

www.jowat.de

· **Department issuing data specification sheet:**

Environmental management

Tel. +49 5231 749 -218 / -211 / -5460 / -5374

e-mail: umweltmanagement@jowat.de

· **Department providing the information:**

Jowat UK Ltd.

Lymedale Business Centre

Lymedale Business Park

Hooters Hall Road

Newcastle-under-Lyme

Staffordshire

ST5 9QF

Phone: +44 1782 565265

E-mail: nick.orton@jowat.co.uk

· **1.4 Emergency telephone number:**

InfraServ Hoechst - Gefahrenabwehrmeldezentrale

D - 65926 Frankfurt

Fon: +49 (0)69-305-6418

* SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



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Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5 % n-hexane
 ethyl acetate
 cyclohexane
 n-hexane

Hazard statements

H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H304 May be fatal if swallowed and enters airways.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents / container to approved waste disposal or recycling in accordance with national regulations.

Additional information:

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

2.3 Other hazards

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

· **Description:** Cleaning agent

Dangerous components:

CAS: 64742-49-0 EC number: 926-605-8 registration number: 01-2119486291-36	Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5 % n-hexane Consisting of: 110-54-3 n-hexane (<5%) Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	35-<50%
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CAS: 141-78-6 EINECS: 205-500-4 registration number: 01-2119475103-46	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	35-<50%
CAS: 67-64-1 EINECS: 200-662-2 registration number: 01-2119471330-49	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-<15%
CAS: 110-82-7 EINECS: 203-806-2 registration number: 01-2119463273-41	cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	10-<15%
CAS: 110-54-3 EINECS: 203-777-6 registration number: 01-2119480412-44	n-hexane Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336 Specific concentration limit: STOT RE 2; H373: C ≥ 5 %	1-<2.5%

- **Additional information**

If any R-phrases (risk-phrases) are listed, please refer for the exact wording to section 16.
Contains < 0.1 % benzene (Note P)

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **After skin contact** Instantly wash with water and soap and rinse thoroughly.

- **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult physician.

- **After swallowing** In case of persistent symptoms consult physician.

- **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents**

Foam extinguishing agent

CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.

- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

- **5.2 Special hazards arising from the substance or mixture** Carbon monoxide (CO)

- **5.3 Advice for firefighters**

- **Protective equipment:**

Wear self-contained breathing apparatus.

Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

- **6.2 Environmental precautions:**

Do not allow product to reach sewage system or water bodies.

Prevent material from reaching sewage system, holes and cellars.

Inform respective authorities in case product reaches water or sewage system.

Prevent from spreading (e.g. by damming-in or oil barriers).

- **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

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· 6.4 Reference to other sections

- See Section 7 for information on safe handling
- See Section 8 for information on personal protection equipment.
- See Section 13 for information on disposal.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

- Store in cool, dry place in tightly closed containers.
- Ensure good ventilation/extraction system at the workplace.
- **Information about protection against explosions and fires:** Protect against electrostatic charges.

· 7.2 Conditions for safe storage, including any incompatibilities

- **Storage**
 - **Requirements to be met by storerooms and containers:**
 - Store in cool location.
 - Prevent any penetration into the ground.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed containers.
 - **Storage class** 3

· 7.3 Specific end use(s) No further relevant information available.

* SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

- **Additional information about design of technical systems:** No further data; see item 7.

· **Components with critical values that require monitoring in the workplace:**

141-78-6 ethyl acetate

WEL	Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm
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67-64-1 acetone

WEL	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
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110-82-7 cyclohexane

WEL	Short-term value: 1050 mg/m ³ , 300 ppm Long-term value: 350 mg/m ³ , 100 ppm
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110-54-3 n-hexane

WEL	Long-term value: 72 mg/m ³ , 20 ppm
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- **Regulatory information WEL:** EH40/2020

- **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

- **Additional information about design of technical systems:** No further data; see item 7.

· **Personal protective equipment**

· **General protective and hygienic measures**

- Standard precautionary measures for handling chemicals are to be observed.
- Keep away from food, beverages and animal feed.
- Instantly remove any soiled and impregnated garments.
- Wash hands during breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.
- Do not eat or drink while working.

· **Breathing equipment:** Short term filter device:

- **Protection of hands:** Impervious gloves (EN 374).

· **Material of gloves**

- Recommended thickness of the material: ≥ 0.7 mm
LLDPE gloves

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- **Penetration time of glove material** Value for the permeation: Level \leq 6
- **Gloves made of the following material are suitable for the permanent contact with this material in work areas which do not have an above-average risk of injury (e.g. laboratories):**
LLDPE gloves
- **For the permanent contact gloves made of the following materials are suitable:** LLDPE gloves
- **For permanent contact of max. 15 minutes, gloves made of the following materials are suitable:**
Butyl rubber, BR
- **To protect against splashing, gloves made of the following materials are suitable:**
Chloroprene rubber, CR
- **Not suitable are gloves made of the following materials:**
Leather gloves
Strong gloves
- **Eye protection:**
Safety glasses recommended during refilling and spraying.
Safety glasses

* SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
· Form:	Fluid
· Colour:	According to product specification
· Smell:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
· Melting point/freezing point:	Not determined
· Initial boiling point and boiling range:	60 °C
· Flash point:	-25 °C
· Inflammability (solid, gaseous)	Highly flammable.
· Ignition temperature:	>200 °C
· Decomposition temperature:	Not determined.
· Spontaneous combustion:	Product does not undergo spontaneous combustion.
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
· Lower:	1.1 Vol %
· Upper:	11.5 Vol %
· Vapour pressure at 20 °C:	110 hPa
· Density at 20 °C	0.76 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix
· distribution ratio (n-octanol/water):	Not determined.
· Viscosity:	
· dynamic:	Not determined.
· kinematic:	Not determined.

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· Solvent content:	
· Organic solvents:	100.0 %
· 9.2 Other information	
· VOC - Volatile Organic Compounds	
· European Union	100.00 %
· Switzerland	100.00 %
· U.S.A (less water and less exempts)	751.3 g/l / 6.27 lb/gal

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Inflammable gases/vapours
Carbon monoxide and carbon dioxide

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

64742-49-0 Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5 % n-hexane

Oral	LD50 oral	16,750 mg/kg (rat)
Dermal	LD50 dermal	>8,000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	43.7 mg/l (rat)

141-78-6 ethyl acetate

Oral	LD50 oral	4,934 mg/kg (rabbit)
Dermal	LD50 dermal	18,000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	56 mg/l (rat)

67-64-1 acetone

Oral	LD50 oral	3,592 mg/kg (rat)
Dermal	LD50 dermal	15,688 mg/kg (rabbit)
Inhalative	LC50 / 4 h	76 mg/l (rat)

110-82-7 cyclohexane

Oral	LD50 oral	5,100 mg/kg (rat)
Inhalative	LC50 / 4 h	>32.88 mg/l (rat)

110-54-3 n-hexane

Oral	LD50 oral	28,710 mg/kg (rat)
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· **Primary irritant effect:**

· **to the skin:**

Causes skin irritation.

· **to the eye:**

Causes serious eye irritation.

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

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

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- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

* SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

64742-49-0 Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5 % n-hexane

LC50 / 96 h	9.776 mg/l (rainbow trout)
LC50 / 48 h	10 mg/l (orfe (ide))
EC50 / 48 h	17.06 mg/l (water flea)
EC50 / 72 h	75.6 mg/l (green algae)

141-78-6 ethyl acetate

LC50 / 96 h	431 mg/l (zebrafish) 230 mg/l (rainbow trout) 230 mg/l (fathead minnow)
LC50 / 48 h	350 mg/l (orfe (ide))
LC50	200 mg/l (rat)
EC50 / 48 h	3,300 mg/l (green algae) 610 mg/l (water flea)
EC50 / 24 h	724 mg/l (water flea)
EC50	17.9 mg/l (green algae)

67-64-1 acetone

LC50 / 96 h	5,540 mg/l (rainbow trout)
LC50 / 48 h	7,500 mg/l (orfe (ide))
EC50 / 48 h	8,800 mg/l (water flea)
EC50 / 16 h	1,700 mg/l (activated sludge)
NOEC	3,400 mg/l (green algae)

110-82-7 cyclohexane

LC50 / 96 h	4.53 mg/l (fathead minnow)
EC50 / 48 h	0.9 mg/l (water flea)
EC50 / 72 h	3.428 mg/l (green algae)

110-54-3 n-hexane

LC0	150-4,280 mg/l (orfe (ide))
EC50 / 48 h (static)	45 mg/l (water flea)
EC50 / 24 h	>50->1,000 mg/l (water flea)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
 - **Remark:** Toxic for fish

· Behaviour in sewage plants:

141-78-6 ethyl acetate

EC10 / 16 h	2,900 mg/l (pseudomonas putida)
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· **Additional ecological information:**

· CSB-value:
67-64-1 acetone
CSB 2,210 mg/g (n.a.)

· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water.
 Do not allow product to reach ground water, water bodies or sewage system.
 Danger to drinking water if even small quantities leak into soil.
 Also poisonous for fish and plankton in water bodies.
 The product contains materials that are harmful to the environment.
 Toxic for aquatic organisms

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

* **SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Hand over to disposers of hazardous waste.

· **Uncleaned containers/packaging material:**

· **Recommendation:**

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

Packaging with cured adhesive residues can be recycled.

Packaging with cured adhesive residues can be treated as household waste.

Packaging with uncured adhesive residues must be disposed of as hazardous waste.

· **Recommended cleaning agent:** Alcohol

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

UN1993

· **14.2 UN proper shipping name**

· **ADR**

1993 FLAMMABLE LIQUID, N.O.S. (HEXANES),
 ENVIRONMENTALLY HAZARDOUS

1993 ENTZÜNDBARER FLÜSSIGER STOFF,

N.A.G. (HEXANE), UMWELTGEFÄHRDEND

FLAMMABLE LIQUID, N.O.S. (HEXANES,

CYCLOHEXANE), MARINE POLLUTANT

FLAMMABLE LIQUID, N.O.S. (HEXANES)

· **IMDG**

· **IATA**

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class**

3 (F1) Flammable liquids.

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· Label	3

· IMDG	
	
· Class	3 Flammable liquids.
· Label	3

· IATA	
	
· Class	3 Flammable liquids.
· Label	3

· 14.4 Packing group	
· ADR, IMDG, IATA	II

· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: cyclohexane
· Marine pollutant:	Yes
· Special marking (ADR):	Symbol (fish and tree)

· 14.6 Special precautions for user	Warning: Flammable liquids.
· Kehler Number:	33
· EMS Number:	F-E,S-E
· Stowage Category	B

· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

· Transport/Additional information:	

· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E

· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (HEXANES), 3, II, ENVIRONMENTALLY HAZARDOUS

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* SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Chemical safety assessment**
 - **Seveso category**
 - E2 Hazardous to the Aquatic Environment
 - P5c FLAMMABLE LIQUIDS
 - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
 - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

These data are based on our present knowledge. They shall, however, not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

All standard industrial precautions apply, concerning protection of health, and safe handling. The recommendations have to be examined in the context of the application for which the product is intended, and observed as necessary.

- **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

- **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- *** Data modified in comparison to the previous version.**

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Annex: Exposure scenario 1

- **Product category** PC9a Coatings and paints, thinners, paint removers
- **Environmental release category**
ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- **Notes** Do not use for private / domestic purposes (household).
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
 - **Duration and frequency**
8hrs (full working shift).
5 workdays/week.
- **Physical parameters**
 - **Physical state** Fluid
 - **Concentration of the substance in the mixture** The substance is minor component.
 - **Used amount per time or activity** 6000 annual tons per plant
- **Other operational conditions**
 - **Other operational conditions affecting environmental exposure**
Number of emission days in the year: 300
 - **Other operational conditions affecting worker exposure**
Avoid contact with the skin and eyes.
Take precautionary measures against static discharge.
Keep away from sources of ignition - No smoking.
- **Risk management measures**
 - **Worker protection**
 - **Technical protective measures** Ensure good ventilation/extraction system at the workplace.
 - **Personal protective measures**
Avoid contact with the eyes and skin.
Wear suitable protective gloves and protective goggles /face protection during work.
Take care of good cleanliness and tidiness.
Do not inhale gases / fumes / aerosols.
 - **Measures for consumer protection** Ensure adequate labelling.
 - **Environmental protection measures**
 - **Water** Do not allow to reach ground water, water bodies or sewage system.
 - **Soil** Avoid contact with soil and / or ground water during the application.
- **Disposal measures**
Forward for special waste incineration in compliance with local legal provisions.
Ensure that waste is collected and contained.
 - **Disposal procedures**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
 - **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

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Annex: Exposure scenario 2

- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC9a Coatings and paints, thinners, paint removers
- **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)
- **Notes** Do not use for private / domestic purposes (household).
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
 - **Duration and frequency**
1- 4 h/d (PROC8a)
8hrs (full working shift).
5 workdays/week.
- **Physical parameters**
 - **Physical state** Fluid
 - **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
 - **Other operational conditions affecting worker exposure**
Avoid contact with the skin and eyes.
Take precautionary measures against static discharge.
Keep away from sources of ignition - No smoking.
- **Risk management measures**
 - **Worker protection**
 - **Technical protective measures** Ensure good ventilation/extraction system at the workplace.
 - **Personal protective measures**
Avoid contact with the eyes and skin.
Wear suitable protective gloves and protective goggles /face protection during work.
Take care of good cleanliness and tidiness.
Do not inhale gases / fumes / aerosols.
 - **Measures for consumer protection** Ensure adequate labelling.
 - **Environmental protection measures**
 - **Water** Do not allow to reach ground water, water bodies or sewage system.
 - **Soil** Avoid contact with soil and / or ground water during the application.
- **Disposal measures**
Forward for special waste incineration in compliance with local legal provisions.
Ensure that waste is collected and contained.
 - **Disposal procedures**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
 - **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.