A417

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 6/2/2023 Revision date: 6/2/2023 Supersedes version of: 1/31/2019 Version: 12.0

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

1.1. Product identifier

Product form : Mixture
Trade name : A417

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : Product for tanning

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

DERYPOL, S.A HQ:
C/Plató, n 6, Entlo, 5
08021 Barcelona (Spain)
Tel. +34 93 238 9090

Manufacturing:
C/Cal Gabatx, s/n
08520 Les Franqueses del Vallès (Spain)
Tel. +34 93 8496188
regulatory@derypol.com

1.4. Emergency telephone number

Emergency number : +34 93 849 6188
9:00-13:00 h 15:00-17:00 h (GMT + 1)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS07

Signal word (CLP) : Warning
Hazard statements (CLP) : H319 - Causes serious eye irritation.
Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Other hazards which do not result in classification : Full text of H-statements: see section 16.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Acrylic monomers polymer in aqueous emulsion

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Butylglycol substance with national workplace exposure limit(s) (BE, DE, ES, FR, NL); substance with a Community workplace exposure limit	CAS-No.: 111-76-2 EC-No.: 203-905-0 REACH-no: 01-2119475108-36	7 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation), H331 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Beware of possible existing spills of product. See previously the Safety Data Sheet and act accordingly.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Remove the maximum amount of product by using absorbent paper and then rinse with plenty of water. In case of persistent irritation get medical advise. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse thoroughly with plenty of water, also under eyelids, at least for 15 minutes. Get medical assistance. It is necessary having a safety shower in the work area. Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do not induce vomiting without medical advice. If conscious washout mouth and give one glass of water to drink. Get medical assistance. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : None expected.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes irritation.

Symptoms/effects after ingestion : Gastrointestinal discomfort. Repeated ingestion of the product is considered highly unlikely route of exposure if working in adequate sanitary and hygiene conditions.

Symptoms/effects upon intravenous administration : Likely routes of exposure: skin and eye.

Chronic symptoms : None known.

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

Treat symptomatically. Any ingredient in significant proportion according to the criteria laid down in Regulation 1272/2008 is mentioned in paragraph 3.2 of this Safety Data Sheet. Get medical attention urgently.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water, water spray, dry powder, carbon dioxide (CO2), foam. Water spray.
Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Under fire conditions thermal decomposition may produce: nitrogen oxides (NOx) and carbon oxides (COx).

5.3. Advice for firefighters

Precautionary measures fire : Stop leak if safe to do so.
Firefighting instructions : Fight fire with normal precautions from a reasonable distance.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Avoid the ground to be contaminated, natural water courses and wastewater drainage. If contamination occurs inform the corresponding authorities immediately. Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it es safe to do so. Ventilate spill area if possible. Ensure clean-up is conducted by trained personnel only. Do not touch spilled material. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

6.1.2. For emergency responders

Protective equipment : Avoid eyes and skin contact; use personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. Avoid the ground to be contaminated, natural water courses and wastewater drainage. If contamination occurs inform the corresponding authorities immediately.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. For small spills use inert absorbent materials and remove with a shovel; then flush the affected area with pressured water. For large spills contain them with absorbent material and pump out the product to adequate containers; then flush the affected area with pressured water.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Section 8 to have information related to most appropriate personal protection equipment.
See Section 13 to have information related to waste management.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. We recommend handling the product in a well ventilated area. Ensure you have a safety shower and eye wash fountain available. Keep absorbent material as a precaution against spills. Use normal personal hygiene and housekeeping measures when handling any chemical product.
Handling temperature : 10 – 30 °C

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in cool, well-ventilated places. Keep containers tightly closed. Protect from exposure to sun. Keep the product away from incompatible materials and heat sources. If the package is open, or after prolonged storage periods, one can observe a decrease in pH. This is not a problem of product quality. You can recover the initial pH again adding some ammonia with stirring.

Storage conditions : Avoid extreme temperatures (below "Minimum temperature" and above "Maximum temperature"). Keep in a covered place, with the drum well closed and within the "Recommended temperature range".

Incompatible materials : Strong oxidizing agents. As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

Storage temperature : 0 – 40 °C

7.3. Specific end use(s)

For all the expected uses of the product the indications given above are considered appropriate.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Butylglycol (111-76-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	98 mg/m³
IOEL TWA [ppm]	20 ppm
IOEL STEL	246 mg/m³
IOEL STEL [ppm]	50 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Natural ventilation is adequate in open areas. Provide mechanical ventilation in confined spaces. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
Safety glasses with side-shields

8.2.2.2. Skin protection

Skin and body protection:
Use a chemical resistant apron or full protective equipment depending on the handling level and contact risks with the product and its dissolutions

Hand protection:
Use latex gloves, or natural rubber gloves

Other skin protection

Materials for protective clothing:
Use your standard work clothes. In case of long contact with the product and risk of splash of its dissolutions use full waterproof suit

8.2.2.3. Respiratory protection

Respiratory protection:
Not necessary under normal conditions and provided good general ventilation

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid spills that contaminate the underground, surface water streams and sewer system. Avoid release to the environment.

Other information:
You should always have a safety shower and eyewash in the area where the product is handled. Wash your hands and anybody area that has resulted exposed to the product before drinking, eating, using the services and end of the work period. Be aware of your exposure to products used in your workplace and act responsibly to avoid contaminating other areas. Try to develop good health habits, check with your company responsible for help.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Yellowish translucent liquid.
Odour	:	Hidrocarbon odor.
Odour threshold	:	Not available
Melting point	:	< 0 °C
Freezing point	:	Not available
Boiling point	:	> 100 °C
Flammability	:	Not available
Explosive limits	:	Not available
Lower explosive limit (LEL)	:	Not available
Upper explosive limit (UEL)	:	Not available
Flash point	:	Not available
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	8 – 9
Viscosity, kinematic	:	Not available
Viscosity, dynamic	:	< 100 cP
Solubility	:	Dilutable in all proportions.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50 °C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapour density at 20 °C	:	Not available
Particle size	:	Not applicable
Particle size distribution	:	Not applicable
Particle shape	:	Not applicable
Particle aspect ratio	:	Not applicable
Particle aggregation state	:	Not applicable
Particle agglomeration state	:	Not applicable
Particle specific surface area	:	Not applicable
Particle dustiness	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product has no hazardous reactivity beyond that specified in paragraph 10.5. However there may be a risk of water contamination of the product during handling and use. Water or water-based products, will dissolve partially and imperfectly the product, and may cause it to be very difficult to use in the application (gel formation, clogged pipes and pumps). As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

10.2. Chemical stability

Stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No risk of explosion or polymerization or inflammation on contact with air, even at high temperatures (<100 ° C) and in the presence of ignition sources.

10.4. Conditions to avoid

None for safety reasons. For keeping the original properties of the product follow the recommendations given in Section 7.

10.5. Incompatible materials

Strong oxidizers may cause exothermic reactions. As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

10.6. Hazardous decomposition products

None under normal conditions. Thermal decomposition products (in case of fire) are indicated in Section 5.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : No data available.
Acute toxicity (dermal) : No data available.
Acute toxicity (inhalation) : No data available.

Butylglycol (111-76-2)	
LD50 oral rat	1300 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat [ppm]	450 ppm

Skin corrosion/irritation : Not classified
pH: 8 – 9
Serious eye damage/irritation : Causes serious eye irritation.
pH: 8 – 9
Respiratory or skin sensitisation : No data available.
Germ cell mutagenicity : No data available.
Carcinogenicity : No data available.
Reproductive toxicity : No data available.
STOT-single exposure : No data available.
STOT-repeated exposure : No data available.
Aspiration hazard : No data available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : No data available

11.2.2. Other information

Potential adverse human health effects and symptoms : No symptoms expected if the product is properly handled,No effects whatsoever related to exposure to the product are known.

Other information : Through our experience and according to the information available, the product is not harmful to health if handled correctly according to the recommendations given.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : No data available.

Hazardous to the aquatic environment, long-term (chronic) : No data available.

Butylglycol (111-76-2)	
LC50 - Fish [1]	1474 ppm Oncorhynchus mykiss
LC50 - Fish [2]	1250 ppm Menidia sp.
EC50 - Crustacea [1]	1550 mg/l Daphnia magna
EC50 72h - Algae [1]	911 mg/l Pseudokirchneriella subcapitata

12.2. Persistence and degradability

A417	
Persistence and degradability	This polymer is not expected to be rapidly biodegradable. This product does not contain halogen organic compounds.

Butylglycol (111-76-2)	
Biodegradation	90.4 % 28 d (OCDE3018)

12.3. Bioaccumulative potential

A417	
Bioaccumulative potential	This is a high molecular weight, for this reason it will not permeate the membrane cell. There will be no bio-accumulation.

Butylglycol (111-76-2)	
Partition coefficient n-octanol/water (Log Kow)	0.81 20 ºC

12.4. Mobility in soil

A417	
Ecology - soil	No information available.

Butylglycol (111-76-2)	
Surface tension	0.065 N/m 20 ºC

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : No data available

12.7. Other adverse effects

Other adverse effects : None to mention.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : If this product must be disposed as a waste the final user must do it accordingly with the European, national and local regulations. Use only authorised companies. Empty containers and residual product must not be washed out with water, this would provoke an inappropriate dissolution of the product and it would increase the amount of waste to dispose. Exhaust as much as possible the product and dispose the empty container taking into account Section 13.1. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Keep the same recommendations provided in Sections 7 and 8 of this MSDS. Refer to Section 2 of this Safety Data Sheet.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

ADN
Transport hazard class(es) (ADN) : Not applicable

RID
Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG)	:	Not applicable
Packing group (IATA)	:	Not applicable
Packing group (ADN)	:	Not applicable
Packing group (RID)	:	Not applicable

14.5. Environmental hazards

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	No supplementary information available

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations	:	EU Regulation (EC) 1907/2006 (REACH). * All product ingredients (preparations) are registered, pre-registered, or exempt from registration.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

The product should be considered a mixture. Given its classification is not necessary to perform a chemical safety assessment thereof.
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
	Issue date	Modified	

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
	Revision date	Modified	
	Supersedes	Modified	
	SDS EU format	Added	
	Aspiration hazard - comment	Added	
	Carcinogenicity - comment	Added	
	Germ cell mutagenicity - comment	Added	
	Reproductive toxicity - comment	Added	
	Respiratory or skin sensitisation - comment	Added	
	STOT-repeated exposure - comment	Added	
	Adverse health effects caused by endocrine disrupting properties	Added	
	Adverse effects on the environment caused by endocrine disrupting properties	Added	
	Acute toxicity (oral) - comment	Added	
	Hazardous to the aquatic environment, long-term (chronic) - comment	Added	
	Acute toxicity (inhalation) - comment	Added	
	Acute toxicity (dermal) - comment	Added	
	Hazardous to the aquatic environment, short-term (acute) - comment	Added	
	STOT-single exposure - comment	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.2	Symptoms/effects upon intravenous administration	Added	
4.3	Other medical advice or treatment	Modified	
6.1	Emergency procedures	Modified	
6.1	Protective equipment	Added	
7.2	Incompatible materials	Added	
11.1	ATE CLP (dust,mist)	Added	
12.4	Ecology - soil	Added	
12.6	Other adverse effects	Added	
15	Regulatory reference	Added	ABM category
16	Other information	Added	

Abbreviations and acronyms	
	REACH EC 1907/2006 regulation. Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals. CLP: Classification, Labelling and Packaging. EC Regulation 1272/2008. DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic. vPvB: very Persistent and very Bioaccumulative.

Other information : The latest version of the MSDS of this product can be obtained through the link https://www.derypol.com/en/technical-documentation/.

Full text of H- and EUH-statements	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]		
Eye Irrit. 2	H319	Expert judgment

Safety Data Sheet applicable for regions : GB

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Annex to the safety data sheet

Identified Uses	Es N°	Short title	Page
Professional uses in coatings	1		**13**

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Annex to the safety data sheet: Exposure scenario

Product form: Mixture Physical state: Liquid

1. Industrial, Professional, Formulation; Professional uses in coatings

1.1. Title section

Professional uses in coatings	
ES Type: Worker Version: 1.0 Revision date: 3/7/2023	Author: Regulatory Department Company ES code: Serie A Issue date: 3/7/2023

Environment		Use descriptors
Serie A	Contributing scenario controlling environmental exposure	ERC2, ERC4, ERC5, ERC6a, ERC6b, ERC8a, ERC8b

Worker		Use descriptors
Serie A	Contributing scenario controlling worker exposure	PROC8a, PROC8b, PROC10, PROC13, PROC15, PC9a, PC21, PC23

Processes, tasks, activities covered	Covers the use of surface coatings and binders within closed or contained systems, including incidental exposures during material transfers and filling operations Covers the use in coatings (paints, inks, adhesives, etc) within closed or contained systems including incidental exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application activities and film formation) and equipment cleaning, maintenance and associated laboratory activities

1.2. Conditions of use affecting exposure

1.2.1. Control of environmental exposure: Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC5, ERC6a, ERC6b, ERC8a, ERC8b)

ERC2	Formulation into mixture
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)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)

Technical and organisational conditions and measures	
Technical measures	On-site wastewater treatment prior to discharge to sewer or public waterway. Gaseous emissions purification by means of a scrubber tower (good practice). The waste is recycled or managed in accordance with the legislation
Prevent environmental discharge consistent with regulatory requirements. Do not apply industrial sludge to natural soils	

Conditions and measures related to treatment of waste (including article waste)	
Deposition methods	Dispose your empty containers with residual product in accordance with the indications of Section 13.1.

Conditions and measures related to treatment of waste (including article waste)	
External recovery and recycling of waste should comply with applicable local and/or national regulations	

1.2.2. Control of worker exposure: Contributing scenario controlling worker exposure (PROC8a, PROC8b, PROC10, PROC13, PROC15, PC9a, PC21, PC23)

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
PROC13	Treatment of articles by dipping and pouring
PROC15	Use as laboratory reagent
PC9a	Coatings and paints, thinners, paint removers
PC21	Laboratory chemicals
PC23	Leather treatment products

Amount used (or contained in articles), frequency and duration of use/exposure	
Variable between ml (sampling) and cubic meters (transfers).	
Covers daily exposures up to 8 hours	≤ 5 days/week

Technical and organisational conditions and measures	
Technical measures	Work equipment must be in good working condition and must be properly maintained. . Clean up spills immediately. Order and cleanliness must be maintained in the workplace. The use of closed/automatic systems for handling the product is recommended, as well as coverage of open containers (e.g. by means of screens). Filling of containers with automatic dosing systems is recommended. It is recommended to clean the equipment and lines before disconnection and/or maintenance
Organisational measures	Workers must be trained to (a) not perform unprotected work,(b9) know the hazards of the product,(c) comply with the safety procedures provided by the operator of the user facility. The Facility Owner must ensure that the required PPE is available and used in accordance with the instructions for its use and established work procedures. Regularly monitor exposure levels, conditions of use and effective implementation of risk management measures (RMMs). If concentrations exceed the limits, RMMs and operating conditions shall be immediately reviewed in order to reduce exposure. Discharge into the environment must be avoided. Clean up spills immediately

Conditions and measures related to personal protection, hygiene and health evaluation	
Skin and body protection	Avoid contact with skin. Use your standard work clothes. In case of long contact with the product and risk of splash of its dissolutions use full waterproof suit

Conditions and measures related to personal protection, hygiene and health evaluation	
Hand protection	Use latex gloves, or natural rubber gloves
Eye protection	Safety glasses with side-shields
General protective and hygienic measures	Always wash your hands immediately after handling this product, and once again before leaving the workplace

Other conditions affecting workers exposure	
Formulation [mixing] of preparations and/or re-packaging	

1.3. Exposure estimation and reference to its source

1.3.1. Environmental release and exposure Contributing scenario controlling environmental exposure (ERC2, ERC4, ERC5, ERC6a, ERC6b, ERC8a, ERC8b)

No information available

1.3.2. Worker exposure Contributing scenario controlling worker exposure (PROC8a, PROC8b, PROC10, PROC13, PROC15, PC9a, PC21, PC23)

No information available

1.4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

1.4.1. Environment

No data available

1.4.2. Health

No data available