

Safety data sheet

according to UK/EU REACH

printing date 30.04.2025

version number 41.0

revision: 30.04.2025

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

- **1.1 Product identifier**
- **Trade name:** Phenoxyethanol (preservative) - OVL07
- **CAS number:**
122-99-6
- **EC number:**
204-589-7
- **Index number:**
603-098-00-9
- **Registration number:** 01-2119488943-21
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- **Application of the substance/the mixture:** Additive for the cosmetic industry.
- **1.3 Details of the supplier of the safety data sheet:**
- **Address and telephone number of the supplier:**
SoapQueen Europe
Veilingdreef 20
4614RX Bergen op Zoom
Nederland
- **Competent person responsible for the Safety Data Sheet:**
Regulatory Department: admin@soapqueen.nl
- **1.4 Emergency telephone number:**
National Poisons Information Service (24 h service): 0844-892-0111 (UK only)
National Poisons Information Centre: 01 8092166 (Ireland only)
Transport Emergency phone number (24 h service): +49 621 60-43333

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **In accordance with Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

STOT SE 3 H335 May cause respiratory irritation.

- **2.2 Label elements**
- **In accordance with Regulation (EC) No 1272/2008.**
The substance is classified and labelled according to the GB CLP regulation.

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· Hazard pictograms

GHS05 GHS07

· Signal word Danger**· Hazard-determining components of labelling:**

2-phenoxyethanol

· Hazard statements

Harmful if swallowed.

Causes serious eye damage.

May cause respiratory irritation.

· Precautionary statements

Use only outdoors or in a well-ventilated area.

Wear eye protection / face protection.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

· 2.3 Other hazards**· PBT-properties:** none**· vPvB-properties:** none**· PMT properties:** None**· vPvM properties:** None**· Determination of endocrine-disrupting properties:** None**SECTION 3: Composition/information on ingredients****· 3.1 Substances****· CAS No. Designation:**

122-99-6 2-phenoxyethanol

· Identification number(s):**· EC number:** 204-589-7**· Index number:** 603-098-00-9**· Acute toxicity estimate (ATE) values** LD₅₀ oral: 1,394 mg/kg**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· Note:**

Obtain special instructions from the poison information centre: 0844-892-0111 (UK only)

Personal protection for the First Aider.

· After inhalation: Supply fresh air; consult doctor in case of symptoms.**· After skin contact** IF ON SKIN: Wash with plenty of soap and water.**· After eye contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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- Consult an eye specialist.
- **After swallowing:**
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Seek medical treatment.
- **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**
If swallowed, gastric irrigation with activated carbon.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Water spray jet, extinguishing powder, CO₂, foam.
- **Unsuitable extinguishing agents for reasons of safety:** None
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, toxic incineration products may be released such as:
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
When selecting the protective suit attention has to be paid to the complete and safe protection of skin and mucous membranes. Impermeable protective clothes, protective boots made of neoprene, complete face protection and nitrile-rubber-gloves with long tops should be worn.
- **6.2 Environmental precautions:**
Inform authorities in case of contamination of water or sewage system.
Do not allow product to enter waters without treatment in a (biological) water treatment plant.
- **6.3 Methods and material for containment and cleaning up:**
Dam and absorb spillage with chemical binder.
Suitable binder: multi-purpose absorbent.
Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically.
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections** See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Provide good room ventilation or local exhaust ventilation at the workplace.
Load carefully, avoid splashes.
Assess hazards arising from work equipment and work places.

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- **Information about protection against explosion and fire:**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and containers:**
Should be stored in the delivery-container preferably.
- **Information about storage in a common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
- **Recommended storage temperature:** 15 -100° C
- **Sensitivity against frost:** Protect from frost.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:** None established.
- **Additional information:** Information valid at the time of review of safety data sheet.
- **8.2 Exposure controls**
- **Technical protective equipment:**
In case of contamination devices to rinse eyes or skin immediately under running water must be available.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
Avoid contact with the eyes and the skin.
Wear protective clothing, protective gloves and eye protection.
Wash hands during work breaks and at the end of the shift.
Use skin cream for skin protection.
Provide skin protection plan.
- **Respiratory protection:**
If there is potential for airborne exposures:
Respirator with filter for use against organic gases and vapours, boiling point above 65 °C and particles (EN 14387).
- **Hand protection**



Chemical protective gloves (EN ISO 374-1:2018)

- Wear protective gloves with long gauntlets preferably.
- Check the condition of protective gloves after each use for any damages like holes, cuts or tears.
- After use of gloves apply skin-cleaning agents and skin cosmetics.
- Do not wear protective gloves longer than necessary.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material:**
Thickness: 0.4 mm; break-through time: 480 min; material: Nitrile; permeation: level 6
- **Gloves made of the following materials are not suitable:**
Gloves for mechanical protection do not provide protection against chemicals.

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· **Eye/face protection**



Safety glasses (DIN EN 166)

· **Body protection:**



Protective clothing (DIN EN 14605)

· **Thermal hazards** Not expected when used as intended.

· **Environmental exposure controls:**

Prevent the product from entering the sewage system or surface and ground water.

· **Risk management measures:**

The operators shall be instructed adequately.

The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

- **Physical state:** Liquid
- **Colour:** colourless
clear
- **Odour:** Weak, characteristic
- **Melting point/freezing point:** 10.9 °C (440/2008, A.1 - S 5153)
- **Boiling point or initial boiling point and boiling range** 243.2 °C (440/2008, A.1 - S 5153)
- **Flammability** difficult to ignite
- **Lower and upper explosion limit**
- **Lower:** 1.4 Vol %
- **Upper:** 9 Vol %
- **Flash point:** 123 °C (EC 440/2008, A.9 - S 5155)
- **Ignition temperature:** 475 °C
S 5157
- **Decomposition temperature:** There is no information available on this property.
- **pH (10 g/l) at 20 °C** 5.5-7.0
slightly acidic
- **Viscosity:**
- **dynamic (η) at 20 °C:** 29.6 mPas (OECD 114 - S 5162)
- **kinematic (ν) at 40 °C:** 8.86 mm²/s (OECD 114 - S 5162)
- **Solubility**
- **Water at 20 °C:** 24.17 g/l (EC 440/2008, A.6 - S 5165)
- **Partition coefficient n-octanol/water (log value)** see section 12
- **Vapour pressure at 20 °C:** 0.03 hPa (EC 440/2008 A.4 - S 5154)
- **Density and/or relative density**
- **Density at 20 °C:** 1.105 - 1.110 g/cm³
- **Relative density (D₂₀⁴):** 1.107 (OECD 109 - S 5158)
- **Relative gas density** > 1, vapours are heavier than air and spread over the ground.

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- **Particle characteristics** Not applicable as the product is liquid.
- **9.2 Other information**
- **Explosive properties:** none
S 5176
- **Oxidising properties** none
S 5177

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
The classification criteria for the property "corrosive to metals" according to Annex I section 2.16 GB CLP Regulation resp. the UN Regulations for the transport of dangerous goods, class 8, are not fulfilled. (S 5144)
- **10.2 Chemical stability**
- **Minimum shelf life:** 24 months from production date.
- **10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air
- **10.4 Conditions to avoid**
Protect from heat and direct sunlight.
The product oxidizes slowly in the presence of air.
Avoid moisture.
- **10.5 Incompatible materials:** Oxidizing agents
- **10.6 Hazardous decomposition products:**
None, if storage and handling is done according to specification.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if swallowed.

Acute toxicity estimates (ATE) or LD₅₀/LC₅₀ values:		
122-99-6 2-phenoxyethanol		
oral	LD ₅₀	1,394 mg/kg (ATE) 17. ATP
dermal	LD ₅₀	> 2,000 mg/kg (rabbit) (OECD 402) Dossier (REACH)

oral	LD ₅₀	1,394 mg/kg (ATE) 17. ATP
dermal	LD ₅₀	> 2,000 mg/kg (rabbit) (OECD 402) Dossier (REACH)

- **Evaluation:**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Results of studies:**
- **Serious eye damage/irritation:** Causes serious eye damage.
- **Sensitisation:** Based on available data, the classification criteria are not met.

Results of studies:	
122-99-6 2-phenoxyethanol	
OECD 406 (Buehler-Test)	(Guinea pig) non skin sensitising - Dossier (REACH)

OECD 406 (Buehler-Test)	(Guinea pig) non skin sensitising - Dossier (REACH)
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- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.

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- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** May cause respiratory irritation.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**
Data on endocrine disrupting properties for human health are not available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

122-99-6 2-phenoxyethanol

EC ₅₀ / 72 h	> 100 mg/l (Desmodesmus subspicatus) (OECD 201) literature
EC ₅₀ / 48 h	> 100 mg/l (Daphnia) (OECD 202) literature
LC ₅₀ / 96 h	344 mg/l (fathead minnow) (OECD 203) Dossier (REACH) > 100 mg/l (Desmodesmus subspicatus) (OECD 201) literature
NOEC (dynamic)	23 mg/l (fathead minnow) literature
NOEC / 21 d (static)	9.43 mg/l (Daphnia) literature
NOEC / 28 d	24 mg/l (fish) literature
NOEC / 96 h	46 mg/l (Desmodesmus subspicatus) (OECD 201) literature

Evaluation:

Based on the available data the classification criteria for hazard classes aquatic acute (short term) toxicity are not fulfilled.

Based on the available data the classification criteria for hazard classes aquatic, chronic (long term) toxicity are not fulfilled.

Effect on activated sludge organisms:

122-99-6 2-phenoxyethanol

EC ₁₀ / 17h	320 mg/l Dossier (REACH)
EC ₅₀ / 3 h	> 1,000 mg/l (OECD 209) literature

Evaluation:

If contaminated effluent water is properly entered into the sewage system, any interference with the degrading activity of the activated sludge organisms is not expected.

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· 12.2 Persistence and degradability

· Evaluation:

· Rapid degradability of organic substances:

122-99-6 2-phenoxyethanol

OECD 301 A DOC Die-Away-Test	> 90 % Dossier (REACH)
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· Evaluation:

The component(s) is (are) rapidly degradable.

Substances are considered rapidly degradable in the environment if one of the following criteria holds true: if, in 28-day ready biodegradation studies, at least the following levels of degradation are achieved within 10 days of the start of degradation: 70% dissolved organic carbon or 60% oxygen depletion or carbon dioxide generation; (see GB CLP-Regulation Annex I section 4.1.2.9 and GB CLP Guidance version 4.1 Annex II.2).

The criteria for the hazard properties "persistent" (P) or "very persistent" (vP) are not met.

· Behaviour in sewage treatment plants:

122-99-6 2-phenoxyethanol

OECD 302 B Zahn-Wellens Test	80 - 90 % Dossier (REACH)
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· **Evaluation:** The component(s) is (are) biodegradable in activated sludge units.

· 12.3 Bioaccumulative potential

· Bioconcentration factor (BCF) / octanol/water partition coefficient (LogKow):

122-99-6 2-phenoxyethanol

OECD 305 Bioconcentration factor	0.35 (-) literature
OECD 107 LogKow (Shake Flask Method)	1.19 (n-octanol/water) S 5167

· Evaluation:

BCF < 2000: Criterion "Bioaccumulation" (B) not fulfilled.

Not worth-mentioning accumulating in organisms

· 12.4 Mobility in soil

122-99-6 2-phenoxyethanol

Log Koc (Q)SAR	1.61 (calculated) REACH dossier
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· **Rating:** Soil adsorption coefficient (Koc); log koc < 2: substance is very mobile

· 12.5 Results of the PBT and vPvB assessment, as well as results of the PMT and vPvM assessment.

· Persistent, bioaccumulative and toxic substances (PBT):

This substance is not considered to be persistent, bioaccumulative and toxic (PBT).

· Very persistent and very bioaccumulative substances (vPvB):

This substance is not considered to be very persistent and very bioaccumulative (vPvB).

· Persistent, mobile and toxic substances (PMT):

This substance is not considered to be persistent, mobile and toxic (PMT).

· Very persistent, very mobile substances (vPvM):

This substance is not considered to be very persistent and very mobile (vPvM).

· 12.6 Endocrine disrupting properties

Data on endocrine disrupting properties on the environment are not available.

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· **12.7 Other adverse effects**· **European Water Framework Directive (2000/60/EC):**

The product does not contain any priority substances according WFD that require a water monitoring.

· **Remark:**

If contaminated effluent water is properly entered into the sewage system, any interference with the degrading activity of the activated sludge organisms is not expected.

SECTION 13: Disposal considerations· **13.1 Waste treatment methods**· **Recommendation**

Hazardous waste. Separate waste disposal to be applied.

Appropriate disposal operations according to Directive 2008/98/EC on waste: D 10 Incineration on land

· **European waste catalogue**

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03 00	off-specification batches and unused products
16 03 05*	organic wastes containing hazardous substances
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP6	Acute Toxicity

· **Contaminated packaging:**· **Recommendation:**

You can find more information about the take-back options for packaging at admin@soapqueen.nl Uncleaned sales packaging may not be passed on to private users. Send empty packaging for reconditioning for the purpose of reuse or recycling. The current list of reconditioning companies can be viewed on the website https://tes.bam.de/TES/Content/DE/Downloads/kurzzeichen_von_rekonditionierbetrieben.pdf.

SECTION 14: Transport information· **14.1 UN number or ID number**

· **ADR, IMDG, IATA** None

· **14.2 UN proper shipping name**

· **ADR, IMDG, IATA** None

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**
 · **Class** None

· **14.4 Packing group**

· **ADR, IMDG, IATA** None

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

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- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **Transport/Additional information:** No dangerous goods.
- **UN "Model Regulation":** None

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Regulation (EC) No 1223/2009 on cosmetic products - Cosmetics Regulation:**
The annexes to the Cosmetics Ordinance must be observed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII:** For this type of products not relevant:

- **Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

Substance is not listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

Substance is not listed.

- **Regulation (EC) No 273/2004 on drug precursors**

Substance is not listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

- **National regulations:**

- **Information about limitation of use:**

Take note of Directive 94/33/EC on the protection of young people at work.

Take note of Directive 92/85/EC on the safety and health of pregnant women at work.

- **Regulations which may apply in event of accident: Control of Major Accident Hazards (COMAH)**

This substance/mixture is not subject to ordinance on industrial accidents (Seveso Directive; substance list, Annex I).

- **Volatile organic carbons (VOC):**

- **Directive 2004/42/CE:** 1110 g/l (calculated)

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This data is based on our current knowledge. However, it does not constitute a guarantee for any specific product feature nor does it establish a legally valid contractual relationship.

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· **Methods of evaluating information used for the purpose of classification:**

The classification includes the relevant available information about the mixture or the substances contained therein.

The evaluation of the available information within the scope of classification refers to the forms and aggregate states in which the mixture has been placed on the market and will be used most likely.

· **Abbreviations and acronyms:**

ATE: Acute Toxicity Estimate

EN ISO: iso norm adopted as a European standard

DIN EN: European norm adopted as a German standard

OECD: Organisation for Economic Co-operation and Development

ECxx: Effect concentration, xx percent

NOEC: No Observed Effect Concentration

UN: United Nations

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

GB CLP: Classification, Labelling and Packaging

UK REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

U.S. EPA: United States Environmental Protection Agency

FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act

vPvB: very Persistent and very Bioaccumulative

PBT: persistent, bioaccumulative, toxic

vPvM: very persistent and very mobile

PMT: persistent, mobile, toxic

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **Key literature references and sources for data:**

Further information regarding physical-chemical, toxicological and ecotoxicological properties of the substances contained, can be taken from the data set for the substance (<http://echa.europa.eu/en/>).

· *** Data altered since the previous version.**

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Annex: Exposure scenario

- **Short title of the exposure scenario**
- **Sector of Use** SU10 Formulation [mixing] of preparations and/or outer package (excluding alloys)
- **Product category** PC39 cosmetics, personal-care products
- **Process category**
 - PROC1 Use in closed process, no likelihood of exposure
 - PROC2 Use in closed, continuous process with occasional controlled exposure
 - PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises
 - PROC3 Use in closed batch process (synthesis or formulation)
 - PROC5 Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact)
 - PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
 - PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
 - PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
- **Environmental release category**
 - This product is not hazardous for the environment. Thus, an exposure and risk assessment is not necessary.
- **Notes** The product is not intended for private use.
- **Description of the activities / processes covered in the Exposure Scenario**
 - Sampling
 - Mixing of liquids
 - Mixing of liquids and solids
- **Conditions of use** In accordance with the conditions set out in sections 7 and 8.
- **Duration and frequency**
 - 8hrs (full working shift).
 - 5 workdays/week.
- **Environment** Indoor use
- **Physical state** Liquid
- **Concentration of the substance in the mixture** $\geq 0\% - \leq 100\%$
- **Other operational conditions**
 - Observe the normal safety regulations when handling chemicals.
 - Compliance with the minimum requirements designed to guarantee a better standard of safety and health at work is essential to ensure the safety and health of workers.
- **Other operational conditions affecting consumer exposure**
 - Product is not intended for private use.
- **Risk management measures** Risk mitigation measures are described in section 8 and 12.
- **Worker protection**
- **Organisational protective measures**
 - Provide emergency eye wash station and mark its location clearly.
- **Technical protective measures**
 - Washing facilities / Water for cleaning eyes and skin should be available.
- **Personal protective measures**
 - Goggles (DIN EN 166)
 - Avoid contact with the eyes.
 - Avoid eye and skin contact.
 - Do not eat, drink or smoke at work.
- **Disposal measures**
 - Forward for special waste incineration in compliance with local legal provisions.

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- **Disposal procedures** Product residues are incinerated as special waste.

- **Waste type** Liquid product residues

- **Exposure estimation and risk assessment:**

- **Worker (dermal)**

If the organisational and personal protective measures listed in section 8 are implemented it may be assumed that the assessed workplace exposure levels do not constitute a risk (Expo/DNEL <1).

Detailed information on the exposure estimation can be found at <http://www.ecetoc.org/tra>.

- **Worker (inhalation)**

If the organisational and personal protective measures listed in section 8 are implemented it may be assumed that the assessed workplace exposure levels do not constitute a risk (Expo/DNEL <1).

Detailed information on the exposure estimation can be found at <http://www.ecetoc.org/tra>.

No significant inhalative exposure

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