

Ficha de datos de seguridad

SUPER SHAMPOO



Ficha de datos de seguridad del 27/9/2024, Revisión 31

SECCIÓN 1. Identificación de la sustancia o la mezcla y de la sociedad o la empresa

- 1.1. Identificador de producto
Identificación del preparado:
Nombre comercial: SUPER SHAMPOO
Código comercial: 31012
- 1.2. Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados
Uso recomendado:
Detergente/limpiador
Usos no recomendados:
Respetar estrictamente los usos recomendados.
- 1.3. Datos del proveedor de la ficha de datos de seguridad
Proveedor:
Arexons S.p.A.
via Antica di Cassano, 23, 20063
Cernusco sul Naviglio (MI), Italy
Arexons S.p.A.
Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306
- Persona competente responsable de la ficha de datos de seguridad:
arexons@arexons.it
- 1.4. Teléfono de emergencia
Arexons S.p.A.
Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306
Teléfono de emergencias: + 34 91 562 04 20 (Solo emergencias toxicológicas. Información en español (24h/365 días))

SECCIÓN 2. Identificación de los peligros

- 2.1. Clasificación de la sustancia o de la mezcla
Criterios Reglamentación CE 1272/2008 (Clasificación, Etiquetado y Empacado):
⚠ Atención, Skin Irrit. 2, Provoca irritación cutánea.
⚠ Atención, Eye Irrit. 2, Provoca irritación ocular grave.
- Efectos físico-químicos nocivos para la salud humana y para el medio ambiente:
Ningún otro riesgo
- 2.2. Elementos de la etiqueta
Pictogramas de peligro:



Atención

Indicaciones de peligro:

H315 Provoca irritación cutánea.
H319 Provoca irritación ocular grave.

Consejos de prudencia:

P101 Si se necesita consejo médico, tener a mano el envase o la etiqueta.
P102 Mantener fuera del alcance de los niños.
P103 Leer atentamente y seguir todas las instrucciones.
P264 Lavarse las manos concienzudamente tras la manipulación.
P280 Llevar guantes, prendas, gafas y máscara de protección.
P305+P351+P338 EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado.

Ficha de datos de seguridad SUPER SHAMPOO



Disposiciones especiales:

PACK1 El envase debe disponer de un cierre de seguridad para niños.

PACK2 El envase debe llevar una indicación de peligro detectable al tacto para invidentes.

EUH208 Contiene 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona. Puede provocar una reacción alérgica.

Contiene

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated

Disposiciones especiales de acuerdo con el anexo XVII del Reglamento REACH y sus posteriores modificaciones:

Ninguna

Reglamento (CE) no 648/2004 (detergentes).

Contenido del producto:

Tensioactivos no iónicos

< 5 %

Tensioactivos aniónicos

5 - 15 %

Conservantes:

1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona, Laurylamine
Dipropylenediamine, Piridina-2-tiol-1-óxido, sal de sodio

2.3. Otros peligros

Ninguna sustancia PBT, mPmB o perturbador endocrino presente en concentración $\geq 0.1\%$

Otros riesgos:

Ningún otro riesgo

SECCIÓN 3. Composición/información sobre los componentes

3.1. Sustancias

N.A.

3.2. Mezclas

Componentes peligrosos según el Reglamento CLP y su correspondiente clasificación:

Cantidad	Nombre	Número de identif.	Clasificación
$\geq 12,5\%$ - < 15%	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	CAS: 85536-14-7 EC: 287-494-3 REACH No.: 01- 2119490234 -40	3.1/4/Oral Acute Tox. 4 H302 3.2/1C Skin Corr. 1C H314 4.1/C3 Aquatic Chronic 3 H412
$\geq 1\%$ - - < 2%	Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated	CAS: 68891-38-3 EC: 500-234-8 REACH No.: 01- 2119488639 -16	3.3/1 Eye Dam. 1 H318 3.2/2 Skin Irrit. 2 H315 4.1/C3 Aquatic Chronic 3 H412 Límites de concentración específicos: 5% $\leq$ C < 10%: Eye Irrit. 2 H319 C $\geq$ 10%: Eye Dam. 1 H318
$\geq 0,02\%$ - < 0,05%	2,2'-Iminodietanol; dietanolamina	Número Index: 603-071-00-1 CAS: 111-42-2 EC: 203-868-0	3.1/4/Oral Acute Tox. 4 H302 3.9/2 STOT RE 2 H373 3.2/2 Skin Irrit. 2 H315 3.3/1 Eye Dam. 1 H318 4.1/C3 Aquatic Chronic 3 H412
$\geq 0,01\%$ - < 0,02%	1,2-Bencisotiazol-3(2H) -ona; 1,2- bencisotiazolin-3-ona	Número Index: 613-088-00-6 CAS: 2634-33-5 EC: 220-120-9	3.1/4/Oral Acute Tox. 4 H302 3.1/2/Inhal Acute Tox. 2 H330 3.2/2 Skin Irrit. 2 H315 3.4.2/1A Skin Sens. 1A H317

Ficha de datos de seguridad SUPER SHAMPOO



			⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 4.1/A1 Aquatic Acute 1 H400 ⚠ 4.1/C1 Aquatic Chronic 1 H410 Límites de concentración específicos: C >= 0,036%: Skin Sens. 1A H317 Estimación de la toxicidad aguda: ETA - Oral 450 mg/kg pc ETA - Inhalación (Polvo o niebla) 0, 21 mg/l
>= 0,001% - < 0, 005%	1-Metoxi-2-propanol; éter monometílico de propilenglicol	Número Index: CAS: EC: REACH No.: 603-064-00-3 107-98-2 203-539-1 01- 2119457435 -35	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336

SECCIÓN 4. Primeros auxilios

4.1. Descripción de los primeros auxilios

En caso de contacto con la piel:

Quítese inmediatamente la ropa contaminada.

Lavar inmediatamente con abundante agua corriente y eventualmente jabón las zonas del cuerpo que han entrado en contacto con el producto, incluso si fuera sólo una sospecha.

Lavar completamente el cuerpo (ducha o baño).

Quitarse de inmediato la indumentaria contaminada y eliminarla de manera segura.

En caso de contacto con la piel, lavar de inmediato con abundante agua y jabón.

En caso de contacto con los ojos:

En caso de contacto con los ojos, enjuagarlos con agua durante un tiempo adecuado y manteniendo los párpados abiertos, luego consultar de inmediato con un oftalmólogo.

Proteger el ojo ileso.

En caso de ingestión:

No provocar el vómito en ningún caso. CONSULTAR INMEDIATAMENTE AL MÉDICO.

En caso de inhalación:

Llevar al accidentado al aire libre y mantenerlo en reposo y abrigado.

4.2. Principales síntomas y efectos, agudos y retardados

Ninguno

4.3. Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente

En caso de accidente o malestar, consultar de inmediato con un médico (si es posible mostrarle las instrucciones de uso o la ficha de seguridad)

Tratamiento:

Ninguno

SECCIÓN 5. Medidas de lucha contra incendios

5.1. Medios de extinción

Medios de extinción apropiados:

Con anhídrido carbónico.

Con polvo.

Espuma

Agua vaporizada.

Medios de extinción no recomendados:

No usar chorros de agua directos

5.2. Peligros específicos derivados de la sustancia o la mezcla

Ficha de datos de seguridad

SUPER SHAMPOO



No inhalar los gases producidos por la explosión y por la combustión.

La combustión produce humo pesado.

5.3. Recomendaciones para el personal de lucha contra incendios

Ropa normal para la lucha contra incendios, como un aparato respiratorio de aire comprimido de circuito abierto (EN 137), traje ignífugo (EN469), guantes ignífugos (EN 659) y botas de bombero (HO A29 o A30).

SECCIÓN 6. Medidas en caso de vertido accidental

6.1. Precauciones personales, equipo de protección y procedimientos de emergencia

Usar los dispositivos de protección individual.

Llevar las personas a un lugar seguro.

Consultar las medidas de protección expuestas en los puntos 7 y 8.

6.2. Precauciones relativas al medio ambiente

Evitar que el producto penetre en el suelo/subsuelo. Evitar que penetre en aguas superficiales o en el alcantarillado.

Conservar el agua de lavado contaminada y eliminarla.

En caso de fuga de gas o penetración en cursos de agua, suelo o sistema de alcantarillado, informar a las autoridades responsables.

Material apropiado para la recogida: material absorbente, orgánico, arena

6.3. Métodos y material de contención y de limpieza

Limpieza:

Evitar la presencia de llamas y/o chispas cerca de la pérdida y productos de desecho. No fumar.

Contener

en caso de vertido de cantidades relevantes del producto y absorber cuando disperse. Contener el

derrame de pequeñas cantidades de producto con tierra, arena, sepiolita, trapos u otro absorbente inerte.

Recuperar con paletas después de la absorción de disolvente y transferir en contenedores adecuados.

Desechar los residuos según la normativa vigente.

6.4. Referencia a otras secciones

Véanse también los apartados 8 y 13.

SECCIÓN 7. Manipulación y almacenamiento

7.1. Precauciones para una manipulación segura

Evitar el contacto con la piel y los ojos, la inhalación de vapores y vahos.

No utilizar contenedores vacíos que no hayan sido previamente limpiados.

Antes de realizar las operaciones de transferencia, asegurarse de que en los contenedores no haya materiales residuos incompatibles.

Remitirse también al apartado 8 para los dispositivos de protección recomendados.

La indumentaria contaminada debe ser sustituida antes de acceder a las áreas de almuerzo.

No comer ni beber durante el trabajo.

7.2. Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades

Conservar solo en el recipiente original.

Mantener alejado de comidas, bebidas y piensos.

Ninguna en particular.

Indicaciones para los locales:

Locales adecuadamente aireados.

7.3. Usos específicos finales

Ningún uso particular

SECCIÓN 8. Controles de exposición/protección individual

8.1. Parámetros de control

Ficha de datos de seguridad SUPER SHAMPOO



2,2'-Iminodietanol; dietanolamina - CAS: 111-42-2

ACGIH - TWA(8h): 1 mg/m³ - Notas: (IFV), Skin, A3 - Liver and kidney dam

1-Metoxi-2-propanol; éter monometílico de propilenglicol - CAS: 107-98-2

UE - TWA(8h): 375 mg/m³, 100 ppm - STEL: 563 mg/m³, 150 ppm - Notas: Skin

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notas: A4 - Eye and URT irr

Valores límites de exposición DNEL

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. - CAS: 85536-14-7

Trabajador industrial: 7.6 mg/m³ - Consumidor: 1.3 mg/m³ - Exposición: Por inhalación humana - Frecuencia: A largo plazo, efectos sistémicos

Consumidor: 0.425 mg/kg - Exposición: Oral humana - Frecuencia: A largo plazo, efectos sistémicos

Trabajador industrial: 119 mg/kg - Consumidor: 42.5 mg/kg - Exposición: Dérmica humana - Frecuencia: A largo plazo, efectos sistémicos

Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated - CAS: 68891-38-3

Consumidor: 15 mg/kg - Exposición: Oral humana - Frecuencia: A largo plazo, efectos sistémicos

Trabajador profesional: 175 mg/m³ - Consumidor: 52 mg/m³ - Exposición: Por inhalación humana - Frecuencia: A largo plazo, efectos sistémicos

Trabajador profesional: 2750 mg/kg - Consumidor: 1650 mg/kg - Exposición: Dérmica humana - Frecuencia: A largo plazo, efectos sistémicos

Trabajador profesional: 0.132 03 - Consumidor: 0.079 03 - Exposición: Dérmica humana - Frecuencia: A largo plazo, efectos locales

1-Metoxi-2-propanol; éter monometílico de propilenglicol - CAS: 107-98-2

Consumidor: 3.3 mg/kg - Exposición: Oral humana - Frecuencia: A largo plazo, efectos sistémicos

Trabajador profesional: 369 mg/m³ - Consumidor: 43.9 mg/m³ - Exposición: Por inhalación humana - Frecuencia: A largo plazo, efectos sistémicos

Trabajador profesional: 50.6 mg/kg - Consumidor: 18.1 mg/kg - Exposición: Dérmica humana - Frecuencia: A largo plazo, efectos sistémicos

Trabajador profesional: 553.5 mg/m³ - Exposición: Por inhalación humana - Frecuencia: A corto plazo, efectos locales

Valores límites de exposición PNEC

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. - CAS: 85536-14-7

Objetivo: agua dulce - Valor: 0.268 mg/l

Objetivo: Agua marina - Valor: 0.027 mg/l

Objetivo: 09 - Valor: 3.43 mg/l

Objetivo: Sedimentos de agua dulce - Valor: 8.1 mg/kg

Objetivo: Sedimentos de agua marina - Valor: 6.8 mg/kg

Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated - CAS: 68891-38-3

Objetivo: agua dulce - Valor: 0.24 mg/l

Objetivo: Agua marina - Valor: 0.024 mg/l

Objetivo: Sedimentos de agua dulce - Valor: 0.917 mg/kg

Objetivo: Sedimentos de agua marina - Valor: 0.092 mg/kg

Objetivo: 09 - Valor: 10000 mg/l

1-Metoxi-2-propanol; éter monometílico de propilenglicol - CAS: 107-98-2

Objetivo: agua dulce - Valor: 10 mg/l

Objetivo: Sedimentos de agua dulce - Valor: 52.3 mg/kg

Objetivo: Agua marina - Valor: 1 mg/l

Objetivo: Sedimentos de agua marina - Valor: 5.2 mg/kg

Objetivo: Suelo (agricultura) - Valor: 4.59 mg/l

8.2. Controles de la exposición

Protección de los ojos:

Gafas de seguridad

Cumple con la norma EN 166

Protección de la piel:

ropa protectora

Ficha de datos de seguridad SUPER SHAMPOO



Protección de las manos:

Guantes de nitrilo o de Viton.

Conformes EN 374.

Grosor: Puño 0,10 mm; palma 0,12 mm; dedos 0,145 mm

Protección respiratoria:

Use un dispositivo de protección respiratoria adecuado.

Riesgos térmicos:

Ninguno

Controles de la exposición ambiental:

Ninguno

Controles técnicos apropiados:

Ninguno

SECCIÓN 9. Propiedades físicas y químicas

9.1. Información sobre propiedades físicas y químicas básicas

Propiedad	Valor	Método:	Notas
Estado físico:	Líquido	--	--
Color:	Verde	--	--
Olor:	característico	--	--
Punto de fusión/punto de congelación:	N.A.	--	--
Punto de ebullición o punto inicial de ebullición e intervalo de ebullición:	>100°C	arx1	--
Inflamabilidad:	N.A.	--	--
Límite superior e inferior de explosividad:	N.A.	--	--
Punto de ignición (flash point, fp):	not flammable	08	--
Temperatura de autoencendido:	N.A.	--	--
Temperatura de descomposición:	N.A.	--	--
pH:	7.0	ASTM D1287	--
Viscosidad cinemática:	N.A.	--	--
Hidrosolubilidad:	soluble	--	--
Solubilidad en aceite:	N.A.	--	--
Coefficiente de reparto n-octanol/agua (valor logarítmico):	N.A.	--	--
Presión de vapor:	N.A.	--	--

Ficha de datos de seguridad

SUPER SHAMPOO



Densidad y/o densidad relativa:	1.29 g/cm3	09	--
Densidad de vapor relativa:	N.A.	--	--
Características de las partículas:			
Tamaño de las partículas:	N.A.	--	--
9.2. Otros datos Ninguna otra información relevante			
Viscosidad:	1800 cP	Brookfield (G3	V10) --

SECCIÓN 10. Estabilidad y reactividad

- 10.1. Reactividad
Estable en condiciones normales
- 10.2. Estabilidad química
Estable en condiciones normales
- 10.3. Posibilidad de reacciones peligrosas
Puede generar gases inflamables en contacto con ditiocarbamatos, mercaptanos y otros sulfuros orgánicos, elementos metálicos (alcalinos, alcalinotérreos, aleaciones en polvo o vapor) y agentes reductores fuertes.
Puede generar gases tóxicos en contacto con fluoruros inorgánicos, sustancias orgánicas halogenadas, sulfuros, nitruros, nitrilos, compuestos organofosforados, fosfotioatos, fosfoditioatos y agentes oxidantes fuertes.
Puede inflamarse en contacto con ditiocarbamatos, elementos metálicos (alcalinos, alcalinotérreos, aleaciones en polvo o vapor, láminas o barras) y nitruros.
- 10.4. Condiciones que deben evitarse
Estable en condiciones normales.
- 10.5. Materiales incompatibles
Ninguna en particular.
- 10.6. Productos de descomposición peligrosos
Ninguno.

SECCIÓN 11. Información toxicológica

- 11.1. Información sobre las clases de peligro definidas en el Reglamento (CE) n.º 1272/2008
Información toxicológica del producto:
SUPER SHAMPOO L 1
 - a) toxicidad aguda
No clasificado
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
 - b) corrosión o irritación cutáneas
El producto está clasificado: Skin Irrit. 2 H315
Ensayo: oecd 8 - Vía: Piel - Especies: RHE 61.31 % - Duración: 1h - Notas: not corrosive
- A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
Ensayo: oecd 8 - Vía: Piel - Especies: RHE 91.33 % - Duración: 3min - Notas: not corrosive
- A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
 - c) lesiones o irritación ocular graves
El producto está clasificado: Eye Irrit. 2 H319
Ensayo: oecd 9 - Vía: OJO - Especies: BCOP 12.98 - Notas: not corrosive - A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
 - d) sensibilización respiratoria o cutánea
No clasificado

Ficha de datos de seguridad SUPER SHAMPOO



- A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- e) mutagenicidad en células germinales
No clasificado
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- f) carcinogenicidad
No clasificado
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- g) toxicidad para la reproducción
No clasificado
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- h) toxicidad específica en determinados órganos (STOT) – exposición única
No clasificado
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- i) toxicidad específica en determinados órganos (STOT) – exposición repetida
No clasificado
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- j) peligro de aspiración
No clasificado
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

La información toxicológica de las sustancias principales halladas en el producto:

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. - CAS: 85536-14-7

a) toxicidad aguda:

Ensayo: STA - Vía: Oral 510.2 mg/kg

Ensayo: LD50 - Vía: Oral - Especies: Rata > 300-2000 mg/kg - Clasificación derivada de la clasificación de los componentes

Ensayo: LD50 - Vía: Piel - Especies: Rata > 2000 mg/kg

b) corrosión o irritación cutáneas:

Ensayo: OECD TG 404 - Vía: Piel - Especies: Conejo Positivo - Clasificación derivada de la clasificación de los componentes

c) lesiones o irritación ocular graves:

Ensayo: OECD TG 405 - Vía: OJO - Especies: Conejo Positivo - Clasificación derivada de la clasificación de los componentes

d) sensibilización respiratoria o cutánea:

Ensayo: Sensibilización de la piel - Especies: IND Negativo

g) toxicidad para la reproducción:

Ensayo: NOAEL - Vía: Oral - Especies: Rata 350 mg/kg

Ensayo: arx1 - Especies: Rata 300 mg/kg

i) toxicidad específica en determinados órganos (STOT) – exposición repetida:

Ensayo: NOAEL - Especies: Rata 85 mg/kg

Ensayo: LOAEL - Especies: Rata 145 mg/kg

Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated - CAS: 68891-38-3

a) toxicidad aguda:

Ensayo: LD50 - Vía: Oral > 2870 mg/kg

Ensayo: LD50 - Vía: Piel > 2000 mg/kg

2,2'-Iminodietanol; dietanolamina - CAS: 111-42-2

a) toxicidad aguda:

Ensayo: LD50 - Vía: Oral 710 mg/kg

Ensayo: LD50 - Vía: Piel 12200 mg/kg

1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona - CAS: 2634-33-5

a) toxicidad aguda

ETA - Oral 450 mg/kg pc

ETA - Inhalación (Polvo o niebla) 0,21 mg/l

Ensayo: LD50 - Vía: Oral - Especies: Rata 1193 mg/kg

Ensayo: LD50 - Vía: Piel - Especies: Rata 4115 mg/kg

b) corrosión o irritación cutáneas:

Ensayo: Irritante para la piel Positivo

c) lesiones o irritación ocular graves:

Ficha de datos de seguridad SUPER SHAMPOO



- Ensayo: Corrosivo para los ojos Positivo
d) sensibilización respiratoria o cutánea:
Ensayo: Sensibilización de la piel - Vía: Piel Positivo
1-Metoxi-2-propanol; éter monometílico de propilenglicol - CAS: 107-98-2
a) toxicidad aguda:
Ensayo: LD50 - Vía: Oral 5300 mg/kg
Ensayo: LD50 - Vía: Piel 13000 mg/kg
Ensayo: LD50 - Vía: Inhalación 54.6 mg/l - Duración: 4h

- 11.2. Información relativa a otros peligros
Propiedades de alteración endocrina:
Ningún perturbador endocrino presente en concentración $\geq 0.1\%$

SECCIÓN 12. Información ecológica

- 12.1. Toxicidad
Utilícese con técnicas de trabajo adecuadas, evitando la dispersión del producto en el medio ambiente.
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. - CAS: 85536-14-7
a) Toxicidad acuática aguda:
Parámetro: LC50 - Especies: Peces $> 1-10$ mg/l - Duración h.: 96
Parámetro: EC50 - Especies: Daphnia $> 1-10$ mg/l - Duración h.: 48
b) Toxicidad acuática crónica:
Parámetro: NOEC - Especies: Peces 1 mg/l - Duración h.: 672
Parámetro: NOEC - Especies: Daphnia $> 1-10$ mg/l - Duración h.: 768
Parámetro: NOEC - Especies: Algas > 4 mg/l - Duración h.: 672
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated - CAS: 68891-38-3
a) Toxicidad acuática aguda:
Parámetro: LC50 - Especies: Peces 7.1 mg/l - Duración h.: 96
Parámetro: EC50 - Especies: Daphnia 7.4 mg/l - Duración h.: 48
Parámetro: EC50 - Especies: Algas 27.7 mg/l - Duración h.: 72
b) Toxicidad acuática crónica:
Parámetro: NOEC - Especies: Peces 0.14 mg/l - Duración h.: 672
Parámetro: NOEC - Especies: Daphnia 0.27 mg/l - Duración h.: 504
Parámetro: NOEC - Especies: Algas 0.95 mg/l - Duración h.: 72
1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona - CAS: 2634-33-5
a) Toxicidad acuática aguda:
Parámetro: LC50 - Especies: Peces 2.18 mg/l - Duración h.: 96
Parámetro: EC50 - Especies: Daphnia 2.94 mg/l - Duración h.: 48
Parámetro: CE6 - Especies: Algas 0.11 mg/l - Duración h.: 72
12.2. Persistencia y degradabilidad
Ninguno
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. - CAS: 85536-14-7
Biodegradabilidad: Rápidamente degradable - Ensayo: BIOGDG13 - Duración h.: 28gg - %: 70
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated - CAS: 68891-38-3
Biodegradabilidad: Rápidamente degradable
1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona - CAS: 2634-33-5
Biodegradabilidad: Rápidamente degradable - Ensayo: BIOGDG06
1-Metoxi-2-propanol; éter monometílico de propilenglicol - CAS: 107-98-2
Biodegradabilidad: Rápidamente degradable
12.3. Potencial de bioacumulación
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. - CAS: 85536-14-7
Bioacumulación: No bioacumulable - Ensayo: arx01
12.4. Movilidad en el suelo
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. - CAS: 85536-14-7

Ficha de datos de seguridad

SUPER SHAMPOO



Ensayo: Koc 2500

- 12.5. Resultados de la valoración PBT y mPmB
Sustancias vPvB: Ninguna - Sustancias PBT: Ninguna
- 12.6. Propiedades de alteración endocrina
Ningún perturbador endocrino presente en concentración $\geq 0.1\%$
- 12.7. Otros efectos adversos
Ninguno

SECCIÓN 13. Consideraciones relativas a la eliminación

- 13.1. Métodos para el tratamiento de residuos
Recuperar si es posible. Operar conforme con las disposiciones locales y nacionales vigentes.
Información adicional sobre eliminación:
"Utilice el producto según las buenas prácticas de trabajo, evitando la dispersión en el medio ambiente.
No descargue en alcantarillados, canales o cursos de agua. Respete la legislación vigente en materia de protección del agua y el suelo contra la contaminación (Decreto Legislativo n.º 152 del 3/4/2006).
Elimine el producto y los envases usados entregándolos a empresas autorizadas, de acuerdo con lo establecido en el Decreto Legislativo n.º 152/2006 (Texto Refundido de la Ley de Medio Ambiente, que sustituyó al Decreto Ronchi) en su versión modificada.
El producto usado debe considerarse residuo especial que debe clasificarse de acuerdo con la Directiva n.º 2008/98/CE sobre residuos y asuntos relacionados. Recupere el producto si es posible. Envíe a plantas de eliminación autorizadas o incineración en condiciones controladas (152/2006 Art. 184).
Trabajar según las disposiciones locales y nacionales vigentes.
Los embalajes contaminados se deben vaciar, siempre que sea posible. Después de la limpieza, reciclar o eliminar en un centro autorizado."

SECCIÓN 14. Información relativa al transporte

- 14.1. Número ONU o número ID
Producto no peligroso según los criterios de la reglamentación del transporte.
- 14.2. Designación oficial de transporte de las Naciones Unidas
N.A.
- 14.3. Clase(s) de peligro para el transporte
N.A.
- 14.4. Grupo de embalaje
N.A.
- 14.5. Peligros para el medio ambiente
ADR-Contaminante ambiental: No
IMDG-Marine pollutant: No
- 14.6. Precauciones particulares para los usuarios
N.A.
- 14.7. Transporte marítimo a granel con arreglo a los instrumentos de la OMI
N.A.

SECCIÓN 15. Información reglamentaria

- 15.1. Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla
Dir. 98/24/CE (Riesgos relacionados con los agentes químicos durante el trabajo)
Dir. 2000/39/CE (Valores límite de exposición profesional)
Reglamento (CE) n. 1907/2006 (REACH)

Ficha de datos de seguridad

SUPER SHAMPOO



Reglamento (CE) n. 1272/2008 (CLP)
Reglamento (CE) n. 790/2009 (ATP 1 CLP) y (UE) n. 758/2013
Reglamento (UE) n. 2020/878
Reglamento (UE) n. 286/2011 (ATP 2 CLP)
Reglamento (UE) n. 618/2012 (ATP 3 CLP)
Reglamento (UE) n. 487/2013 (ATP 4 CLP)
Reglamento (UE) n. 944/2013 (ATP 5 CLP)
Reglamento (UE) n. 605/2014 (ATP 6 CLP)
Reglamento (UE) n. 2015/1221 (ATP 7 CLP)
Reglamento (UE) n. 2016/918 (ATP 8 CLP)
Reglamento (UE) n. 2016/1179 (ATP 9 CLP)
Reglamento (UE) n. 2017/776 (ATP 10 CLP)
Reglamento (UE) n. 2018/669 (ATP 11 CLP)
Reglamento (UE) n. 2018/1480 (ATP 13 CLP)
Reglamento (UE) n. 2019/521 (ATP 12 CLP)
Reglamento (UE) n. 2020/217 (ATP 14 CLP)
Reglamento (UE) n. 2020/1182 (ATP 15 CLP)
Reglamento (UE) n. 2021/643 (ATP 16 CLP)
Reglamento (UE) n. 2021/849 (ATP 17 CLP)
Reglamento (UE) n. 2022/692 (ATP 18 CLP)

Restricciones relacionadas con el producto o las sustancias contenidas, de acuerdo con el anexo XVII del Reglamento (CE) 1907/2006 (REACH) y las modificaciones posteriores:

Restricciones relacionadas con el producto:

Restricción 3

Restricciones relacionadas con las sustancias contenidas:

Restricción 40

Restricción 75

Compuestos orgánicos volátiles - COV = 0.01 %

Compuestos orgánicos volátiles - COV = 0.12 g/Kg

Compuestos orgánicos volátiles - COV = 0.12 g/l

Cuando sean aplicables, hágase referencia a las siguientes normativas:

Directiva 2012/18/EU (Seveso III)

Reglamento (CE) no 648/2004 (detergentes).

Dir. 2004/42/CE (directiva COV)

Disposiciones sobre la directiva EU 2012/18 (Seveso III):

Categoría Seveso III de acuerdo con el anexo 1, parte 1

Ninguno

15.2. Evaluación de la seguridad química

No se ha realizado ninguna evaluación de la seguridad química para la mezcla

Sustancias para las cuales se ha realizado una evaluación de la seguridad química

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated

SECCIÓN 16. Otra información

Texto de las frases utilizadas en el párrafo 3:

H302 Nocivo en caso de ingestión.

H314 Provoca quemaduras graves en la piel y lesiones oculares graves.

H412 Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

H318 Provoca lesiones oculares graves.

H315 Provoca irritación cutánea.

H319 Provoca irritación ocular grave.

H373 Puede provocar daños en los órganos tras exposiciones prolongadas o repetidas.

H330 Mortal en caso de inhalación.

H317 Puede provocar una reacción alérgica en la piel.

Ficha de datos de seguridad SUPER SHAMPOO



H400 Muy tóxico para los organismos acuáticos.

H410 Muy tóxico para los organismos acuáticos, con efectos nocivos duraderos.

H226 Líquidos y vapores inflamables.

H336 Puede provocar somnolencia o vértigo.

Clase y categoría de peligro	Código	Descripción
Flam. Liq. 3	2.6/3	Líquidos inflamables, Categoría 3
Acute Tox. 2	3.1/2/Inhal	Toxicidad aguda (por inhalación), Categoría 2
Acute Tox. 4	3.1/4/Oral	Toxicidad aguda (oral), Categoría 4
Skin Corr. 1C	3.2/1C	Corrosión cutánea, Categoría 1C
Skin Irrit. 2	3.2/2	Irritación cutánea, Categoría 2
Eye Dam. 1	3.3/1	Lesiones oculares graves, Categoría 1
Eye Irrit. 2	3.3/2	Irritación ocular, Categoría 2
Skin Sens. 1A	3.4.2/1A	Sensibilización cutánea, Categoría 1A
STOT SE 3	3.8/3	Toxicidad específica en determinados órganos (exposiciones únicas), Categoría 3
STOT RE 2	3.9/2	Toxicidad específica en determinados órganos (exposiciones repetidas), Categoría 2
Aquatic Acute 1	4.1/A1	Peligro agudo para el medio ambiente acuático, Categoría 1
Aquatic Chronic 1	4.1/C1	Peligro crónico (a largo plazo) para el medio ambiente acuático, Categoría 1
Aquatic Chronic 3	4.1/C3	Peligro crónico (a largo plazo) para el medio ambiente acuático, Categoría 3

Parágrafos modificados respecto la revisión anterior

SECCIÓN 2. Identificación de los peligros

SECCIÓN 9. Propiedades físicas y químicas

Clasificación y procedimiento utilizado para determinar la clasificación de las mezclas con arreglo al Reglamento (CE) nº 1272/2008 [CLP]:

Clasificación con arreglo al Reglamento (CE) nº 1272/2008	Procedimiento de clasificación
Skin Irrit. 2, H315	Método de cálculo
Eye Irrit. 2, H319	Método de cálculo

Este documento ha sido preparado por una persona competente que ha recibido un entrenamiento adecuado

Ficha de datos de seguridad

SUPER SHAMPOO



Principales fuentes bibliográficas:

ECDIN: Environmental Chemicals Data and Information Network, Centro Común de Investigación, Comisión de las Comunidades Europeas

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 8ª ed., Van Nostrand Reinold

La información aquí detallada se basa en nuestros conocimientos hasta la fecha señalada arriba. Se refiere exclusivamente al producto indicado y no constituye garantía de cualidades particulares.

El usuario debe asegurarse de la idoneidad y exactitud de dicha información en relación al uso específico que debe hacer del producto.

Esta ficha anula y sustituye toda edición precedente.

ADR:	Acuerdo europeo relativo al transporte internacional de mercancías peligrosas por carretera.
CAS:	Chemical Abstracts Service (de la American Chemical Society).
CLP:	Clasificación, etiquetado, embalaje.
DNEL:	Nivel sin efecto derivado.
EINECS:	Catálogo Europeo de Sustancias Químicas Comercializadas.
ETA:	Estimación de la toxicidad aguda
ETAmix:	Estimación de Toxicidad Aguda (Mezclas)
GefStoffVO:	Ordenanza sobre sustancias peligrosas, Alemania.
GHS:	Sistema Globalmente Armonizado de clasificación y etiquetado de productos químicos.
IATA:	Asociación de Transporte Aéreo Internacional.
IATA-DGR:	Normas aplicadas a las mercancías peligrosas por la "Asociación de Transporte Aéreo Internacional" (IATA).
ICAO:	Organización de la Aviación Civil Internacional.
ICAO-TI:	Instrucciones Técnicas de la "Organización de la Aviación Civil Internacional" (OACI).
IMDG:	Código marítimo internacional de mercancías peligrosas.
INCI:	Nomenclatura internacional de ingredientes cosméticos.
KSt:	Coeficiente de explosión.
LC50:	Concentración letal para el 50% de la población expuesta.
LD50:	Dosis letal para el 50% de la población expuesta.
NA:	No aplicable
PNEC:	Concentración prevista sin efecto.
RID:	Normas relativas al transporte internacional de mercancías peligrosas por ferrocarril.
STEL:	Nivel de exposición de corta duración.
STOT:	Toxicidad específica en determinados órganos.
TLV:	Valor límite del umbral.
TWA:	Promedio ponderado en el tiempo
WGK:	Clase de peligro para las aguas (Alemania).

Exposure Scenario, 20/08/2019

Substance identity	
Chemical name	BENZENESULFONIC ACID, SEC-C-10-13-ALKYL DERIVS, SODIUM SALTS T. anionico
CAS No.	85536-14-7
EINECS No.	287-494-3

Table of contents

1. **ES 1** Use at industrial site; Various products (PC24, PC35)
2. **ES 2** Widespread use by professional workers; Various products (PC3, PC39, PC24, PC35)
3. **ES 3** Consumer use; Washing and cleaning products (PC35)

1. ES 1 Use at industrial site; Various products (PC24, PC35)	
1.1 TITLE SECTION	
Exposure Scenario name	Cleaning agent
Date - Version	20/08/2019 - 1.0
Life Cycle Stage	Use at industrial site
Main user group	Industrial uses
Sector(s) of use	Industrial uses (SU3)
Product Categories	Lubricants, greases, release products (PC24) - Washing and cleaning products (PC35)
Environment Contributing Scenario	
CS1 Covered by	ERC4
Worker Contributing Scenario	
CS2 Industrial	PROC5 - PROC1 - PROC2 - PROC3 - PROC4 - PROC7 - PROC8a - PROC8b - PROC9 - PROC10 - PROC13
1.2 Conditions of use affecting exposure	
1.2. CS1: Environment Contributing Scenario: Covered by (ERC4)	
Environmental release categories	Use of non-reactive processing aid at industrial site (no inclusion into or onto article) (ERC4)
<i>Product (article) characteristics</i>	
Concentration of substance in product: Covers percentage substance in the product up to 25 %.	
<i>Amount used, frequency and duration of use (or from service life)</i>	
Amounts used: Daily amount per site 50 t	
Maximum allowable site tonnage (MSafe): 132657 kg	
Release type: Continuous release	
Emission days: 20 days per year	
<i>Conditions and measures related to sewage treatment plant</i>	
STP type: Municipal Sewage Treatment Plant Water - minimum efficiency of: = 88 %	
<i>Conditions and measures related to treatment of waste (including article waste)</i>	
Waste treatment External treatment and disposal of waste should comply with applicable local and/or national regulations.	
<i>Other conditions affecting environmental exposure</i>	
Local marine water dilution factor: 100 Local freshwater dilution factor: 10	
1.2. CS2: Worker Contributing Scenario: Industrial (PROC5, PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13)	
Process Categories	Mixing or blending in batch processes - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions - Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or

	processes with equivalent containment condition - Chemical production where opportunity for exposure arises - Industrial spraying - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities - Transfer of substance or mixture (charging and discharging) at dedicated facilities - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) - Roller application or brushing - Treatment of articles by dipping and pouring (PROC5, PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13)
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Product (article) characteristics

Physical form of product:

Liquid

Vapour pressure:

< 1E-06 hPa

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Application duration > 4 h

Frequency:

Covers use up to 1 events per day

Technical and organisational conditions and measures

Technical and organisational measures

Remove spills immediately

Supervision in place to check that the risk management measures in place are being used correctly and operation conditions followed.

Conditions and measures related to personal protection, hygiene and health evaluation

Personal protection

Wear suitable gloves tested to EN374.

Wear an impervious suit.

Use eye protection according to EN 166.

Other conditions affecting worker exposure

Indoor use

Additional good practice advice. Obligations according to Article 37(4) of REACH do not apply.

Additional Good Practice Advice:

Supervision in place to check that the risk management measures in place are being used correctly and operation conditions followed.

Ensure control measures are regularly inspected and maintained.

1.3 Exposure estimation and reference to its source

1.3. CS1: Environment Contributing Scenario: Covered by (ERC4)

Release route	Release rate	Release estimation method
Air	30 %	ESVOC SPERC 4.4a.v1
Water	0.01 %	ESVOC SPERC 4.4a.v1
soil	0.01 %	ESVOC SPERC 4.4a.v1

protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	0.0058 mg/L	EUSES	0.0219

freshwater sediment	0.305 mg/kg dry weight	EUSES	0.0377
marine water	0.000752 mg/L	EUSES	0.028
marine sediment	0.039 mg/kg dry weight	EUSES	0.028
Air	< 1E-07 mg/m ³	EUSES	< 1E-06
soil	0.371 mg/kg dry weight	EUSES	0.0106
Sewage treatment plant	0.0304 mg/L	EUSES	0.00887

1.3. CS2: Worker Contributing Scenario: Industrial (PROC5, PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
inhalative, systemic, long-term	0.0801 mg/m ³	ECETOC TRA worker v3	0.0688

1.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

2. ES 2		Widespread use by professional workers; Various products (PC3, PC39, PC24, PC35)	
2.1 TITLE SECTION			
Exposure Scenario name	Cleaning agent		
Date - Version	20/08/2019 - 1.0		
Life Cycle Stage	Widespread use by professional workers		
Main user group	Professional uses		
Sector(s) of use	Professional uses (SU22)		
Product Categories	Air care products (PC3) - Cosmetics, personal care products (PC39) - Lubricants, greases, release products (PC24) - Washing and cleaning products (PC35)		
Environment Contributing Scenario			
CS1 Covered by	ERC8a		
Worker Contributing Scenario			
CS2 General use from professional operators	PROC5 - PROC1 - PROC2 - PROC3 - PROC4 - PROC8a - PROC8b - PROC9 - PROC10 - PROC11 - PROC13 - PROC15 - PROC19		
2.2 Conditions of use affecting exposure			
2.2. CS1: Environment Contributing Scenario: Covered by (ERC8a)			
Environmental release categories	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) (ERC8a)		
<i>Product (article) characteristics</i>			
Concentration of substance in product: Covers percentage substance in the product up to 25 %.			
<i>Amount used, frequency and duration of use (or from service life)</i>			
Amounts used: Daily amount per site 0.014 t			
Maximum allowable site tonnage (MSafe): 19 kg			
Release type: Continuous release			
Emission days: 365 days per year			
<i>Conditions and measures related to treatment of waste (including article waste)</i>			
Waste treatment External treatment and disposal of waste should comply with applicable local and/or national regulations.			
<i>Other conditions affecting environmental exposure</i>			
Local marine water dilution factor: 100 Local freshwater dilution factor: 10			
2.2. CS2: Worker Contributing Scenario: General use from professional operators (PROC5, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC15, PROC19)			
Process Categories	Mixing or blending in batch processes - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions - Manufacture or formulation		

in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition - Chemical production where opportunity for exposure arises - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities - Transfer of substance or mixture (charging and discharging) at dedicated facilities - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) - Roller application or brushing - Non industrial spraying - Treatment of articles by dipping and pouring - Use as laboratory reagent - Manual activities involving hand contact (PROC5, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC15, PROC19)

Product (article) characteristics

Physical form of product:

Liquid

Vapour pressure:

< 1E-06 hPa

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Technical and organisational conditions and measures

Technical and organisational measures

Remove spills immediately

Supervision in place to check that the risk management measures in place are being used correctly and operation conditions followed.

Conditions and measures related to personal protection, hygiene and health evaluation

Personal protection

Wear suitable gloves tested to EN374.

Wear an impervious suit.

Use eye protection according to EN 166.

Other conditions affecting worker exposure

Indoor use

Additional good practice advice. Obligations according to Article 37(4) of REACH do not apply.

Additional Good Practice Advice:

Ensure regular inspection, cleaning and maintenance of equipment and machines. Ensure control measures are regularly inspected and maintained.

2.3 Exposure estimation and reference to its source

2.3. CS1: Environment Contributing Scenario: Covered by (ERC8a)

Release route	Release rate	Release estimation method
Air	0 %	N/A
Water	99 %	N/A
soil	1 %	N/A

protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	0.024 mg/L	EUSES	0.0894
Air	< 1E-07 mg/m ³	EUSES	< 1E-06
marine water	0.0024 mg/L	EUSES	0.0898

marine sediment	0.608 mg/kg dry weight	EUSES	0.0898
freshwater sediment	6.08 mg/kg dry weight	EUSES	0.75
soil	0.187 mg/kg dry weight	EUSES	0.00534
Sewage treatment plant	0.007 mg/L	EUSES	0.00204

2.3. CS2: Worker Contributing Scenario: General use from professional operators (PROC5, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC15, PROC19)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
inhalative, systemic, long-term	0.0801 mg/m ³	ECETOC TRA worker v3	0.0688

2.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

3. ES 3 Consumer use; Washing and cleaning products (PC35)

3.1 TITLE SECTION

Exposure Scenario name	Cleaning agent
Date - Version	20/08/2019 - 1.0
Life Cycle Stage	Consumer use
Main user group	Consumer uses
Sector(s) of use	Consumer uses (SU21)
Product Categories	Washing and cleaning products (PC35)

Environment Contributing Scenario

CS1 Covered by	ERC8a
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Consumer Contributing Scenario

CS2 Consumer	PC35 - PC35_1, PC8_1
CS3 Consumer	PC35 - PC8_2, PC35_2
CS4 Consumer	PC35 - PC8_3, PC35_3
CS5 Consumer	PC35
CS6 Consumer	PC35
CS7 Consumer	PC35
CS8 Consumer	PC35
CS9 Consumer	PC35
CS10 Consumer	PC35
CS11 Consumer	PC35
CS12 Consumer	PC35

3.2 Conditions of use affecting exposure

3.2. CS1: Environment Contributing Scenario: Covered by (ERC8a)

Environmental release categories	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) (ERC8a)
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Amount used, frequency and duration of use (or from service life)

Amounts used:

Daily amount per site 0.239 t

Maximum allowable site tonnage (MSafe): 217 kg

Release type: Continuous release

Emission days: 365 days per year

Conditions and measures related to treatment of waste (including article waste)

Waste treatment

External treatment and disposal of waste should comply with applicable local and/or national regulations.

Other conditions affecting environmental exposure

Local marine water dilution factor: 100

Local freshwater dilution factor: 10

3.2. CS2: Consumer Contributing Scenario: Consumer (PC35)

Product Categories	Washing and cleaning products (PC35)
Product (Sub-)Categories	Laundry and dish washing products (PC35_1, PC8_1)

Product (article) characteristics

Physical form of product:

Liquid mixture

Concentration of substance in product:

Covers percentage substance in the product up to 1 %.

Amount used, frequency and duration of use/exposure

Amounts used:

Amount per use 19 g

Frequency:

Covers use up to 104 times per year

3.2. CS3: Consumer Contributing Scenario: Consumer (PC35)

Product Categories	Washing and cleaning products (PC35)
Product (Sub-)Categories	Cleaners, liquids (all purpose cleaners, sanitary products, floor cleaners, glass cleaners, carpet cleaners, metal cleaners) (PC8_2, PC35_2)

Product (article) characteristics

Physical form of product:

Liquid mixture

Concentration of substance in product:

Covers concentrations up to 14 %

Amount used, frequency and duration of use/exposure

Amounts used:

Amount per use 0.65 g

Frequency:

Covers use up to 128 times per year

3.2. CS4: Consumer Contributing Scenario: Consumer (PC35)

Product Categories	Washing and cleaning products (PC35)
Product (Sub-)Categories	Cleaners, trigger sprays (all purpose cleaners, sanitary products, glass cleaners) (PC8_3, PC35_3)

Product (article) characteristics

Physical form of product:

Liquid mixture

Concentration of substance in product:

Covers concentrations up to 6.54E-05 %

Amount used, frequency and duration of use/exposure

Amounts used:

Amount per use 0.00015 g

Duration:

Exposure duration 60 min

Frequency:

Covers use up to 426 times per year	
<i>Other conditions affecting consumers exposure</i>	
Indoor use Room size: Covers use in room size of 15 m ³ Ventilation rate: 2.5 Air changer per hour	
Additional conditions human health Covers skin contact area up to 1900 cm ²	
3.2. CS5: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)
<i>Product (article) characteristics</i>	
Physical form of product: Liquid mixture	
Concentration of substance in product: Covers concentrations up to 0.23 %	
<i>Amount used, frequency and duration of use/exposure</i>	
Frequency: Covers use up to 365 times per year	
<i>Other conditions affecting consumers exposure</i>	
Additional conditions human health Covers skin contact area up to 17600 cm ²	
3.2. CS6: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)
<i>Product (article) characteristics</i>	
Physical form of product: Liquid mixture	
Concentration of substance in product: Covers concentrations up to 6 %	
<i>Amount used, frequency and duration of use/exposure</i>	
Duration: Exposure duration 60 min	
Frequency: Covers use up to 365 times per year	
<i>Other conditions affecting consumers exposure</i>	
Indoor use Room size: Covers use in room size of 15 m ³ Ventilation rate: 2.5 Air changer per hour	
Additional conditions human health Covers skin contact area up to 1900 cm ²	
3.2. CS7: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)
<i>Product (article) characteristics</i>	
Physical form of product: Liquid mixture	
Concentration of substance in product:	

Covers concentrations up to 30 %	
<i>Amount used, frequency and duration of use/exposure</i>	
Amounts used: Amount per use 0.00042 g	
Duration: Exposure duration 60 min	
Frequency: Covers use up to 365 times per year	
3.2. CS8: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)
<i>Product (article) characteristics</i>	
Physical form of product: Liquid mixture	
Concentration of substance in product: Covers concentrations up to 14 %	
<i>Amount used, frequency and duration of use/exposure</i>	
Duration: Exposure duration 10 min	
Frequency: Covers use up to 128 times per year	
<i>Other conditions affecting consumers exposure</i>	
Indoor use Room size: Covers use in room size of 15 m ³ Ventilation rate: 2 Air changer per hour	
Additional conditions human health Covers skin contact area up to 840 cm ²	
3.2. CS9: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)
<i>Product (article) characteristics</i>	
Physical form of product: Liquid mixture	
Concentration of substance in product: Covers concentrations up to 14 %	
<i>Amount used, frequency and duration of use/exposure</i>	
Amounts used: Amount per use 0.65 g	
Frequency: Covers use up to 128 times per year	
<i>Other conditions affecting consumers exposure</i>	
Additional conditions human health Covers skin contact area up to 840 cm ²	
3.2. CS10: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)
<i>Product (article) characteristics</i>	

Physical form of product: Liquid mixture	
Concentration of substance in product: Covers concentrations up to 10 %	
<i>Amount used, frequency and duration of use/exposure</i>	
Amounts used: Amount per use 0.2 g	
Duration: Exposure duration 60 min	
Frequency: Covers use up to 26 times per year	
<i>Other conditions affecting consumers exposure</i>	
Indoor use Room size: Covers use in room size of 15 m ³ Ventilation rate: 2.5 Air changer per hour Additional conditions human health Covers skin contact area up to 430 cm ²	
3.2. CS11: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)
<i>Product (article) characteristics</i>	
Physical form of product: Liquid mixture	
Concentration of substance in product: Covers concentrations up to 2.2 %	
<i>Amount used, frequency and duration of use/exposure</i>	
Amounts used: Amount per use 260 g	
Duration: Exposure duration 25 min	
Frequency: Covers use up to 4 times per year	
<i>Other conditions affecting consumers exposure</i>	
Indoor use Room size: Covers use in room size of 10 m ³ Ventilation rate: 2 Air changer per hour Additional conditions human health Covers skin contact area up to 19000 cm ²	
3.2. CS12: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)
<i>Product (article) characteristics</i>	
Physical form of product: Liquid mixture	
Concentration of substance in product: Covers concentrations up to 5 %	
<i>Amount used, frequency and duration of use/exposure</i>	

Amounts used:

Amount per use 880 g

Duration:

Exposure duration 240 min

Frequency:

Covers use up to 104 times per year

Other conditions affecting consumers exposure

Indoor use

Room size: Covers use in room size of 58 m³**Ventilation rate:** 0.5 Air changer per hour**Additional conditions human health**Covers skin contact area up to 19000 cm²

3.3 Exposure estimation and reference to its source

3.3. CS1: Environment Contributing Scenario: Covered by (ERC8a)

Release route	Release rate	Release estimation method
Air	0 %	N/A
Water	99 %	N/A
soil	1 %	N/A

protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	0.035 mg/L	EUSES	0.131
freshwater sediment	0.035 mg/kg dry weight	N/A	0.654
marine water	0.0035 mg/L	EUSES	0.131
marine sediment	0.53 mg/kg dry weight	N/A	0.0779
Air	< 1E-07 mg/m ³	EUSES	< 1E-06
soil	3.16 mg/kg dry weight	EUSES	0.0902
Sewage treatment plant	0.197 mg/L	N/A	0.0574

3.2. CS2: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	0.832 mg/kg bw/day	Consexpo v4.1	0.00979

3.2. CS3: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
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dermal, systemic, long-term	0.491 mg/kg bw/day	Consexpo v4.1	0.00578
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3.2. CS4: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	0.176 mg/kg bw/day	Consexpo v4.1	0.00207
inhalative, systemic, long-term	< 1E-06 mg/m ³	Consexpo v4.1	< 1E-06

3.2. CS5: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	28.3 mg/kg bw/day	Consexpo v4.1	0.333

3.2. CS6: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	0.0378 mg/kg bw/day	Consexpo v4.1	0.000445
inhalative, systemic, long-term	1.31E-05 mg/m ³	Consexpo v4.1	4E-06

3.2. CS7: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
oral, systemic, long-term	0.00194 mg/kg bw/day	Consexpo v4.1	0.00228

3.2. CS8: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	0.00174 mg/kg bw/day	Consexpo v4.1	2.1E-05
inhalative, systemic, long-term	1.31E-05 mg/kg bw/day	Consexpo v4.1	4E-06

3.2. CS9: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	0.491 mg/kg bw/day	Consexpo v4.1	0.00578

3.2. CS10: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	0.0219 mg/kg bw/day	Consexpo v4.1	0.000258
inhalative, systemic, long-term	1.9E-05 mg/m ³	Consexpo v4.1	< 1E-06

3.2. CS11: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	0.0704 mg/kg bw/day	Consexpo v4.1	0.000828
inhalative, systemic, long-term	< 1E-06 mg/m ³	Consexpo v4.1	< 1E-06

3.2. CS12: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	4.16 mg/kg bw/day	Consexpo v4.1	0.0489
inhalative, systemic, long-term	< 1E-06 mg/m ³	Consexpo v4.1	< 1E-06

3.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Exposure Scenario, 08/02/2024

Substance identity	
Chemical name	Alcohols, C12-14, ethoxylated, sulfates, sodium salts 1-2,5 moles ethoxylated
CAS No.	68891-38-3
EINECS No.	500-234-8

Table of contents

1. **ES 1** Use at industrial site
2. **ES 2** Widespread use by professional workers
3. **ES 3** Widespread use by professional workers
4. **ES 4** Consumer use; Washing and cleaning products (PC35)

1. ES 1 Use at industrial site	
1.1 TITLE SECTION	
Exposure Scenario name	Car care and maintenance products
Date - Version	08/02/2024 - 2.0
Life Cycle Stage	Use at industrial site
Main user group	Industrial uses
Sector(s) of use	Industrial uses (SU3)
Environment Contributing Scenario	
CS1 Covered by	ERC4
Worker Contributing Scenario	
CS2 Industrial	PROC10
CS3 Industrial	PROC8a
CS4 Industrial	PROC4
CS5 Industrial	PROC7
1.2 Conditions of use affecting exposure	
1.2. CS1: Environment Contributing Scenario: Covered by (ERC4)	
Environmental release categories	Use of non-reactive processing aid at industrial site (no inclusion into or onto article) (ERC4)
<i>Amount used, frequency and duration of use (or from service life)</i>	
Amounts used: Annual site tonnage 10 t(onnes)/year Release type: Continuous release Emission days: 20 days per year	
<i>Conditions and measures related to sewage treatment plant</i>	
STP type: Municipal Sewage Treatment Plant STP effluent (m³/day): 18000	
<i>Conditions and measures related to treatment of waste (including article waste)</i>	
Waste treatment External treatment and disposal of waste should comply with applicable local and/or national regulations.	
<i>Other conditions affecting environmental exposure</i>	
Local marine water dilution factor: 100 Local freshwater dilution factor: 10	

Receiving surface water flow: 2000 m³/h

1.2. CS2: Worker Contributing Scenario: Industrial (PROC10)

Process Categories	Roller application or brushing (PROC10)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Application duration > 4 h

Frequency:

Covers use up to 5 days per week

Other conditions affecting worker exposure

Indoor use
Industrial use

Additional conditions human health

Covers skin contact area up to 960 cm²

1.2. CS3: Worker Contributing Scenario: Industrial (PROC8a)

Process Categories	Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC8a)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Application duration > 4 h

Frequency:

Covers use up to 5 days per week

Other conditions affecting worker exposure

Indoor use
Industrial use

Additional conditions human health

Covers skin contact area up to 960 cm²

1.2. CS4: Worker Contributing Scenario: Industrial (PROC4)

Process Categories	Chemical production where opportunity for exposure arises (PROC4)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Application duration > 4 h

Frequency:

Covers use up to 5 days per week

Other conditions affecting worker exposure

Indoor use
Industrial use

Additional conditions human health

Covers skin contact area up to 480 cm²

1.2. CS5: Worker Contributing Scenario: Industrial (PROC7)

Process Categories	Industrial spraying (PROC7)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers percentage substance in the product up to 5 %.

Amount used, frequency and duration of use/exposure

Duration:

Application duration <= 4 h

Frequency:

Covers use up to 5 days per week

Other conditions affecting worker exposure

Indoor use

Industrial use

Ventilation rate: 30 %

Additional conditions human health

Covers skin contact area up to 1500 cm²

1.3 Exposure estimation and reference to its source

1.3. CS1: Environment Contributing Scenario: Covered by (ERC4)

Release route	Release rate	Release estimation method
Water	2 %	N/A
Air	0 %	N/A
soil	5 %	N/A

protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	0.116945 mg/L	N/A	0.487272
freshwater sediment	0.486471 mg/kg dry weight	N/A	0.089261
marine water	0.011676 mg/L	N/A	0.486485
marine sediment	0.048569 mg/kg dry weight	N/A	0.089117
soil	0.112922	N/A	0.015056
Sewage treatment plant	0.0632612 mg/L	N/A	7.9E-06

1.3. CS2: Worker Contributing Scenario: Industrial (PROC10)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	27.429 mg/kg bw/day	N/A	0.009974
inhalative, systemic, long-term	147.917 mg/m ³	N/A	0.845238

combined routes	48.56 mg/kg bw/day	N/A	0.855212
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1.3. CS3: Worker Contributing Scenario: Industrial (PROC8a)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	13.714 mg/kg bw/day	N/A	0.004987
inhalative, systemic, long-term	1.479 mg/m ³	N/A	0.008452
combined routes	13.926 mg/kg bw/day	N/A	0.013439

1.3. CS4: Worker Contributing Scenario: Industrial (PROC4)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	8.571 mg/kg bw/day	N/A	0.003117
inhalative, systemic, long-term	124.25 mg/m ³	N/A	0.71
combined routes	26.321 mg/kg bw/day	N/A	0.713117

1.3. CS5: Worker Contributing Scenario: Industrial (PROC7)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	8.571 mg/kg bw/day	N/A	0.003117
inhalative, systemic, long-term	124.25 mg/m ³	N/A	0.71
combined routes	26.321 mg/kg bw/day	N/A	0.713117

1.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

2. ES 2 Widespread use by professional workers

2.1 TITLE SECTION

Exposure Scenario name	Car care and maintenance products
Date - Version	08/02/2024 - 1.0
Life Cycle Stage	Widespread use by professional workers
Main user group	Professional uses
Sector(s) of use	Professional uses (SU22)

Environment Contributing Scenario

CS1 Covered by	ERC8a
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Worker Contributing Scenario

CS2 Covered by	PROC8a
CS3 Covered by	PROC4
CS4 Covered by	PROC10
CS5 Covered by	PROC11
CS6 Covered by	PROC11

2.2 Conditions of use affecting exposure

2.2. CS1: Environment Contributing Scenario: Covered by (ERC8a)

Environmental release categories	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) (ERC8a)
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Amount used, frequency and duration of use (or from service life)

Amounts used:

Annual site tonnage 300 t(tonnes)/year
Daily amount per site 1644 kg/day

Release type: Continuous release

Emission days: 365 days per year

Technical and organisational conditions and measures

Control measures to prevent releases

	Air - minimum efficiency of: 100 % Water - minimum efficiency of: 100 %
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Other conditions affecting environmental exposure

Local marine water dilution factor: 100

Local freshwater dilution factor: 10

2.2. CS2: Worker Contributing Scenario: Covered by (PROC8a)

Process Categories	Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC8a)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Covers use up to > 4 h

Frequency:

Use frequency 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Additional conditions human health

Covers skin contact area up to 960 cm²

2.2. CS3: Worker Contributing Scenario: Covered by (PROC4)

Process Categories	Chemical production where opportunity for exposure arises (PROC4)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Covers use up to > 4 h

Frequency:

Use frequency 5 days per week

Other conditions affecting worker exposure

Indoor use
Professional use

Additional conditions human health

Covers skin contact area up to 480 cm²

2.2. CS4: Worker Contributing Scenario: Covered by (PROC10)

Process Categories	Roller application or brushing (PROC10)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 5 %

Amount used, frequency and duration of use/exposure

Duration:

Covers use up to > 4 h

Frequency:

Use frequency 5 days per week

Other conditions affecting worker exposure

Indoor use
Professional use

Additional conditions human health

Covers skin contact area up to 960 cm²

2.2. CS5: Worker Contributing Scenario: Covered by (PROC11)

Process Categories	Non industrial spraying (PROC11)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 5 %

Amount used, frequency and duration of use/exposure

Duration:

Covers use up to > 4 h

Frequency:

Use frequency 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Ventilation rate: 30 %

Additional conditions human health

Covers skin contact area up to 1500 cm²

2.2. CS6: Worker Contributing Scenario: Covered by (PROC11)

Process Categories

Non industrial spraying (PROC11)

Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 5 %

Amount used, frequency and duration of use/exposure

Duration:

Covers use up to > 4 h

Frequency:

Use frequency 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Ventilation rate: 30 %

Additional conditions human health

Covers skin contact area up to 1500 cm²

2.3 Exposure estimation and reference to its source

2.3. CS1: Environment Contributing Scenario: Covered by (ERC8a)

protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	0.064084 mg/L	N/A	0.267015
freshwater sediment	0.266576 mg/kg dry weight	N/A	0.048913

marine water	0.006389 mg/L	N/A	0.266228
marine sediment	0.026579 mg/kg dry weight	N/A	0.048769
soil	0.106749 mg/kg dry weight	N/A	0.014233
Sewage treatment plant	0.103991 mg/L	N/A	1E-05

2.3. CS2: Worker Contributing Scenario: Covered by (PROC8a)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	13.714 mg/kg dry weight	N/A	0.004987
inhalative, systemic, long-term	1.479 mg/m ³	N/A	0.008452
combined routes	13.926 mg/kg dry weight	N/A	0.013439

2.3. CS3: Worker Contributing Scenario: Covered by (PROC4)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	6.857 mg/kg dry weight	N/A	0.002494
inhalative, systemic, long-term	1.479 mg/m ³	N/A	0.008452
combined routes	7.068 mg/kg dry weight	N/A	0.010946

2.3. CS4: Worker Contributing Scenario: Covered by (PROC10)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	5.486 mg/kg dry weight	N/A	0.001995
inhalative, systemic, long-term	73.958 mg/m ³	N/A	0.422619
combined routes	16.051 mg/kg dry weight	N/A	0.424614

2.3. CS5: Worker Contributing Scenario: Covered by (PROC11)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	21.429 mg/kg dry weight	N/A	0.007792

inhalative, systemic, long-term	59.167 mg/m ³	N/A	0.338095
combined routes	29.881 mg/kg dry weight	N/A	0.345887

2.3. CS6: Worker Contributing Scenario: Covered by (PROC11)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	21.429 mg/kg dry weight	N/A	0.007792
inhalative, systemic, long-term	124.25 mg/m ³	N/A	0.71
combined routes	39.179 mg/kg dry weight	N/A	0.717792

2.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

3. ES 3 Widespread use by professional workers

3.1 TITLE SECTION

Exposure Scenario name	Professional use of dishwash products
Date - Version	08/02/2024 - 3.0
Life Cycle Stage	Widespread use by professional workers
Main user group	Professional uses
Sector(s) of use	Professional uses (SU22)

Environment Contributing Scenario

CS1 Covered by	ERC8a
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Worker Contributing Scenario

CS2 General use from professional operators	PROC8b
CS3 General use from professional operators	PROC1
CS4 General use from professional operators	PROC8a
CS5 General use from professional operators	PROC2
CS6 General use from professional operators	PROC10
CS7 General use from professional operators	PROC10

3.2 Conditions of use affecting exposure

3.2. CS1: Environment Contributing Scenario: Covered by (ERC8a)

Environmental release categories	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) (ERC8a)
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Amount used, frequency and duration of use (or from service life)

Amounts used:

Daily amount per site 300 t(tonnes)/year
Daily amount per site 1644 kg/day

Release type: Continuous release

Emission days: 365 days per year

Conditions and measures related to sewage treatment plant

STP type:

Municipal Sewage Treatment Plant

STP effluent (m³/day): 18000

Conditions and measures related to treatment of waste (including article waste)

Waste treatment

External treatment and disposal of waste should comply with applicable local and/or national regulations.

Other conditions affecting environmental exposure

Local marine water dilution factor: 100

Local freshwater dilution factor: 10

Receiving surface water flow: 2000 m³/day

3.2. CS2: Worker Contributing Scenario: General use from professional operators (PROC8b)

Process Categories	Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC8b)
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Product (article) characteristics

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Application duration > 4 h

Frequency:

Covers frequency up to: 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Additional conditions human health

Covers skin contact area up to 960 cm²

3.2. CS3: Worker Contributing Scenario: General use from professional operators (PROC1)

Process Categories	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions (PROC1)
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Product (article) characteristics

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Application duration > 4 h

Frequency:

Covers frequency up to: 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Additional conditions human healthCovers skin contact area up to 240 cm²**3.2. CS4: Worker Contributing Scenario: General use from professional operators (PROC8a)****Process Categories**

Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC8a)

*Product (article) characteristics***Concentration of substance in product:**

Covers percentage substance in the product up to 25 %.

*Amount used, frequency and duration of use/exposure***Duration:**

Application duration > 4 h

Frequency:

Covers frequency up to: 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Additional conditions human healthCovers skin contact area up to 960 cm²**3.2. CS5: Worker Contributing Scenario: General use from professional operators (PROC2)****Process Categories**

Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC2)

*Product (article) characteristics***Concentration of substance in product:**

Covers percentage substance in the product up to 25 %.

*Amount used, frequency and duration of use/exposure***Duration:**

Application duration > 4 h

Frequency:

Covers frequency up to: 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Additional conditions human healthCovers skin contact area up to 480 cm²**3.2. CS6: Worker Contributing Scenario: General use from professional operators (PROC10)****Process Categories**

Roller application or brushing (PROC10)

Product (article) characteristics

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Application duration <= 4 h

Frequency:

Covers frequency up to: 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Additional conditions human health

Covers skin contact area up to 960 cm²

3.2. CS7: Worker Contributing Scenario: General use from professional operators (PROC10)

Process Categories

Roller application or brushing (PROC10)

Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers percentage substance in the product up to 25 %.

Amount used, frequency and duration of use/exposure

Duration:

Exposure duration 15 min/h

Frequency:

Covers frequency up to: 5 days per week

Other conditions affecting worker exposure

Indoor use

Professional use

Additional conditions human health

Covers skin contact area up to 960 cm²

3.3 Exposure estimation and reference to its source

3.3. CS1: Environment Contributing Scenario: Covered by (ERC8a)

Release route	Release rate	Release estimation method
Water	100 %	N/A
Air	100 %	N/A
soil	0 %	N/A

protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	0.064084 mg/L	N/A	6.156
freshwater sediment	mg/kg dry weight	N/A	33.607
marine water	0.006389 mg/L	N/A	6.175
marine sediment	0.026579	N/A	33.707
soil	0.106749 mg/kg dry weight	N/A	0.014233
Sewage treatment plant	0.103991 mg/L	N/A	1E-05

3.3. CS2: Worker Contributing Scenario: General use from professional operators (PROC8b)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	13.714 mg/kg bw/day	N/A	0.004987
inhalative, systemic, long-term	1.479 mg/m ³	N/A	0.008452
combined routes	13.926 mg/kg bw/day	N/A	0.013439

3.3. CS3: Worker Contributing Scenario: General use from professional operators (PROC1)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	0.034286 mg/kg bw/day	N/A	1.2E-05
inhalative, systemic, long-term	0.147917 mg/m ³	N/A	0.000845
combined routes	0.055417 mg/kg bw/day	N/A	0.000858

3.3. CS4: Worker Contributing Scenario: General use from professional operators (PROC8a)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	13.714 mg/kg bw/day	N/A	0.004987
inhalative, systemic, long-term	1.479 mg/m ³	N/A	0.008452
combined routes	13.926 mg/kg bw/day	N/A	0.013439

3.3. CS5: Worker Contributing Scenario: General use from professional operators (PROC2)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	1.371 mg/kg bw/day	N/A	0.000499
inhalative, systemic, long-term	1.479 mg/m ³	N/A	0.008452
combined routes	1.583 mg/kg bw/day	N/A	0.008951

3.3. CS6: Worker Contributing Scenario: General use from professional operators (PROC10)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	16.457 mg/kg bw/day	N/A	0.005984
inhalative, systemic, long-term	133.125 mg/m ³	N/A	0.760714
combined routes	35.475 mg/kg bw/day	N/A	0.766699

3.3. CS7: Worker Contributing Scenario: General use from professional operators (PROC10)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	16.457 mg/kg bw/day	N/A	0.005984
inhalative, systemic, long-term	44.375 mg/m ³	N/A	0.253571
combined routes	22.796 mg/kg bw/day	N/A	0.259556

3.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

4. ES 4 Consumer use; Washing and cleaning products (PC35)	
4.1 TITLE SECTION	
Exposure Scenario name	Cleaning agent
Date - Version	08/02/2024 - 2.0
Life Cycle Stage	Consumer use
Main user group	Consumer uses
Sector(s) of use	Consumer uses (SU21)
Product Categories	Washing and cleaning products (PC35)
Environment Contributing Scenario	
CS1 Covered by	ERC8a
Consumer Contributing Scenario	
CS2 Consumer	PC35
CS3 Consumer	PC35
CS4 Consumer	PC35
4.2 Conditions of use affecting exposure	
4.2. CS1: Environment Contributing Scenario: Covered by (ERC8a)	
Environmental release categories	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) (ERC8a)
<i>Amount used, frequency and duration of use (or from service life)</i>	
Amounts used: Daily amount per site 1644 kg/day	
Release type: Continuous release	
Emission days: 365 days per year	
<i>Conditions and measures related to treatment of waste (including article waste)</i>	
Waste treatment External treatment and disposal of waste should comply with applicable local and/or national regulations.	
<i>Other conditions affecting environmental exposure</i>	
Local marine water dilution factor: 100 Local freshwater dilution factor: 10 Receiving surface water flow: 18000 m ³ /day	
4.2. CS2: Consumer Contributing Scenario: Consumer (PC35)	
Product Categories	Washing and cleaning products (PC35)

Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 50 %

Amount used, frequency and duration of use/exposure

Amounts used:

Amount per use 250 g

Duration:

Exposure duration 0.33 h

Frequency:

Covers use up to 1 uses per day

Other conditions affecting consumers exposure

Room size: Covers use in room size of 20 m³

Body parts exposed:

Assumes that potential dermal contact is limited to hands.

4.2. CS3: Consumer Contributing Scenario: Consumer (PC35)

Product Categories

Washing and cleaning products (PC35)

Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 60 %

Amount used, frequency and duration of use/exposure

Amounts used:

Amount per use 50 g

Duration:

Exposure duration 1 h								
Frequency:								
Covers use up to 1 uses per day								
<i>Other conditions affecting consumers exposure</i>								
Room size: Covers use in room size of 20 m ³								
Body parts exposed:								
Assumes that potential dermal contact is limited to hands.								
4.2. CS4: Consumer Contributing Scenario: Consumer (PC35)								
Product Categories	Washing and cleaning products (PC35)							
<i>Product (article) characteristics</i>								
Physical form of product:								
Liquid								
Concentration of substance in product:								
Covers concentrations up to 10 %								
<i>Amount used, frequency and duration of use/exposure</i>								
Amounts used:								
Amount per use 35 g								
Duration:								
Exposure duration 4 h								
Frequency:								
Covers use up to 1 uses per day								
<i>Other conditions affecting consumers exposure</i>								
Room size: Covers use in room size of 20 m ³								
Body parts exposed:								
Assumes that potential dermal contact is limited to hands.								
4.3 Exposure estimation and reference to its source								
4.3. CS1: Environment Contributing Scenario: Covered by (ERC8a)								
<table border="1"> <tr> <td>Release route</td> <td>Release rate</td> <td>Release estimation method</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>			Release route	Release rate	Release estimation method			
Release route	Release rate	Release estimation method						

Air	100 %	N/A
Water	100 %	N/A
soil	0 %	N/A

protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	0.064084 mg/L	N/A	0.267015
freshwater sediment	0.266576 mg/kg dry weight	N/A	0.048913
marine water	0.006389 mg/L	N/A	0.266228
marine sediment	0.026579 mg/kg dry weight	N/A	0.048769
soil	0.106749 mg/kg dry weight	N/A	0.014233
Sewage treatment plant	0.103991 mg/L	N/A	1E-05

4.2. CS2: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	71458 mg/kg bw/day	ECETOC TRA consumer v3	0.043308
inhalative, systemic, long-term	0.001433 mg/m ³	ECETOC TRA consumer v3	2.8E-05
combined routes	71.458 mg/kg bw/day	ECETOC TRA consumer v3	0.043336

4.2. CS3: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	85.75 mg/kg bw/day	ECETOC TRA consumer v3	0.05197
inhalative, systemic, long-term	0.001433 mg/m ³	ECETOC TRA consumer v3	2.8E-05
combined routes	85.75 mg/kg bw/day	ECETOC TRA consumer v3	0.051997

4.2. CS4: Consumer Contributing Scenario: Consumer (PC35)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
dermal, systemic, long-term	14.292 mg/kg bw/day	ECETOC TRA consumer v3	0.008662
inhalative, systemic, long-term	51.471 mg/m ³	ECETOC TRA consumer v3	0.989819
combined routes	18.996 mg/kg bw/day	ECETOC TRA consumer v3	0.998481

4.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.