Ultrasol® micro Rexene® Cu15

Ohutuskaart

Vastavalt määrusele (EL) 2015/830, 2020/878 (REACH-määruse II lisa)
Toote viitenumber:399a_EUR
Väljaandmiskuupäev: 26.10.2023 Läbivaatamise kuupäev: 26.10.2023 Versioon: 01.0

1. JAGU: Aine/segu ning äriühingu/ettevõtja identifitseerimine

1.1. Tootetähis

Toote esinemisvorm	:	Aine
Kaubanduslik nimetus	:	Ultrasol® micro Rexene® Cu15
EÜ nr	:	237-864-5
CAS nr	:	14025-15-1
REACHi registreerimisnumber	:	01-2119963944-23
Tootekood	:	399a_EUR
Molekulivalem	:	C10H12CuN2O8.2Na

1.2. Aine või segu asjaomased kindlaksmääratud kasutusalad ning kasutusalad, mida ei soovitata

Vastavad identifitseeritud kasutajad

Peamine kasutusala	:	Põllumajandus, metsandus, kalandus
Aine/segu kasutusala	:	Kelaativaine Väetised Taimede toitaine Valmististe tootmine [segamine] ja/või ümberpakendamine (v.a sulamid)

1.3. Andmed ohutuskaardi tarnija kohta

Tarnija
SQM Europe N.V.
Houtdok-Noordkaai 25a
EC 2030 Antwerpen
Belgium
T +32 (3) 2039700, F +32 (3) 2312782
product_safety@sqm.com, www.sqm.com

1.4. Hädaabitelefoni number

Hädaabitelefon	:	Netherland: National Poisons Information Centre (+31) 088 756 666 / Belgium: Centre Anti-Poisons/Antigifcentrum (+32) 070 245 245 Keemilise eriolukorra puhul helistage CHEMTREC 24h/päevas 7päeva/nädalas: +1 703-741-5970. (Vastuvõtja kulul kõned on lubatud)

Riik/piirkond	Organisatsioon	Hädaabitelefon
Eesti	Mürgistusteabekeskus. Terviseamet. Paldiski mnt 81 10614.	16662 +372 7943 794 Infoliinile helistamine on anonüümne ning kohaliku kõne hinnaga.

2. JAGU: Ohtude identifitseerimine

2.1. Aine või segu klassifitseerimine

Klassifikatsioon vastavalt määrusele (EÜ) nr 1272/2008

Acute Tox. 4 (Suukaudne)	H302
Eye Irrit. 2	H319

Ohuklasside, H ja EUH avalduste täistekst: vt 16. jagu

Kahjulikud füüsikalis-keemilised mõjud, kahjulik mõju inimtervisele ja keskkonnale

Meile teadaolevalt ei kujuta see toode erilist ohtu, tingimusel et järgitakse tööstushügieeni üldeeskirju.

2.2. Märgistuselemendid

Märgistamine vastavalt määrusele (EÜ) nr 1272/2008 [CLP]

Ohupiktogrammid (CLP) :

GHS07

Signaalsõna (CLP) : Hoiatus

Ohulaused (CLP) : H302 - Allaneelamisel kahjulik.
H319 - Põhjustab tugevat silmade ärritust.

Hoiatuslaused (CLP) : P264 - Pärast käitlemist pesta hoolega nahk.
P270 - Toote käitlemise ajal mitte süüa, juua ega suitsetada.
P280 - Kanda kaitseprille/kaitsemaski.
P301+P312 - ALLANEELAMISE KORRAL: halva enesetunde korral võtta ühendust MÜRGISTUSTEABEKESKUSEGA või arstiga.
P330 - Loputada suud.
P337+P313 - Kui silmade ärritus ei möödu: Pöörduda arsti poole.
P501 - Sisu/mahuti kõrvaldada heakskiidetud äätmekäitlejale.

2.3. Muud ohud

Teised ohud, mis ei avaldu klassifikatsioonis : Tolmu plahvatamise oht.

See aine/segu ei vasta REACH-määruse XIII lisas sätestatud PBT kriteeriumidele
See aine/segu ei vasta REACH-määruse XIII lisas sätestatud vPvB kriteeriumidele

3. JAGU: Koostis / teave koostisainete kohta

3.1. Ained

Nimetus	Tootetähis	%	Klassifikatsioon vastavalt määrusele (EÜ) nr 1272/2008
EDTA-disodium copper complex	CAS nr: 14025-15-1 EÜ nr: 237-864-5 REACH-i nr: 01-2119963944-23	90 – 100	Acute Tox. 4 (Suukaudne), H302 Eye Irrit. 2, H319

H- ja EUH-lausete täistekst: vt 16. jagu

4. JAGU: Esmaabimeetmed

4.1. Esmaabimeetmete kirjeldus

Üldised esmaabimeetmed : Halva enesetunde korral võtta ühendust mürgistusteabekeskuse või arstiga. Mitte kunagi manustada teadvusetule kannatanule midagi suu kaudu.

Esmaabi sissehingamise korral : Toimetada isik värske õhu kätte ja hoida asendis, mis võimaldab kergesti hingata.

Esmaabi nahale sattumisel : Pesta nahka rohke veega. Võtta seljast saastunud rõivad ja pesta enne korduskasutust.

Esmaabi silma sattumise korral : Ettevaatusabinõuks loputada silmi veega. Eemaldada kontaktläätsed, kui neid kasutatakse ja kui neid on kerge eemaldada. Loputada veel kord. Kui silmade ärritus ei möödu: pöörduda arsti poole.

Esmaabi allaneelamise korral : Loputada suud. Anda juua rohkelt vett. Halva enesetunde korral võtta ühendust mürgistusteabekeskuse või arstiga.

4.2. Olulisemad akuutsed ja hilisemad sümptomid ning mõju

Sümptomid/mõju : Toodet ei loeta tavalistes kasutustingimustes ohtlikuks.

Sümptomid/mõju sissehingamisel : Tootest eralduda võiv tolm võib sissehingamise teel liigse kokkupuute tagajärjel põhjustada hingamisteede ärritust.

Sümptomid/mõju nahale sattumisel : Võib põhjustada nahaärritust.

Sümptomid/mõju silma sattumisel	:	Põhjustab tugevat silmade ärritust.
Sümptomid/mõju allaneelamisel	:	Kahjulik allaneelamisel.

4.3. Märge igasuguse vältimatu meditsiiniabi ja eriravi vajalikkuse kohta

Sümptomaatiline ravi.

5. JAGU: Tulekustutusmeetmed

5.1. Tulekustutusvahendid

Sobivad kustutusvahendid	:	Kasutada ümbritsevate tulekahjude tõrjumiseks sobivaid vahendeid.
Sobimatud kustutusvahendid	:	Ei ole teada.

5.2. Aine või seguga seotud erilised ohud

Plahvatusoht	:	Järgmised ohud: Põletik. Õhuga segunedes võib moodustada plahvatusohtliku segu. Vältida plahvatusohtliku õhutolmu lendumist.
Tulekahju korral ohtlikud lagusaadused	:	Võib eritada mürgist suitsu. Lämmastikoksiidid. Süsinikoksiidid (CO, CO2).

5.3. Nõuanded tuletõrjujatele

Kaitse tulekustutamise ajal	:	Mitte sekkuda ilma sobiva kaitsevarustuseta. Autonoomne isoleeriv hingamisaparaat. Täielik keha kaitse.

6. JAGU: Meetmed juhusliku sattumise korral keskkonda

6.1. Isikukaitsemeetmed, kaitsevahendid ja toimimine hädaolukorras

Tavapersonal

Hädaolukorraplaanid	:	Ventileerida mahavalgumise tsoon. Kanda isikukaitsevahendeid. Vältida tolmu teket. Evakueerida mittevajalik personal.

Päästetöötajad

Isikukaitsevahendid	:	Mitte sekkuda ilma sobiva kaitsevarustuseta. Vt lisateavet 8. jaost: „Kokkupuute ohjamine/kontroll – isikukaitse".

6.2. Keskkonnakaitse meetmed

Takistada aine tungimist kanalisatsiooni või vooluveekogudesse. Aine sattumisel kanalisatsiooni või üldkasutatavasse veeallikasse tuleb teavitada ametiasutusi.

6.3. Tõkestamis- ning puhastamismeetodid ja -vahendid

Puhastusmeetodid	:	Korjata toode mehaaniliselt üles. Vältida tolmu teket. Seejärel pesta rohke veega. Koguda kõik jäätmed kokku sobivatesse konteineritesse, tähistada etiketiga ning kõrvaldada vastavalt kehtivatele kohalikele õigusaktidele.
Muu teave	:	Viia materjalid või tahked jäätmed kõrvaldamiseks volitatud jäätmepunkti.

6.4. Viited muudele jagudele

Vt lisateavet 8. jaost: „Kokkupuute ohjamine/kontroll – isikukaitse". Vt lisateavet 13 jaost.

7. JAGU: Käitlemine ja ladustamine

7.1. Ohutu käitlemise tagamiseks vajalikud ettevaatusabinõud

Ohutu käitlemise tagamiseks vajalikud ettevaatusabinõud	:	Vältida tolmu teket. Tagada töökohas hea ventilatsioon. Kanda isikukaitsevahendeid. Hoida eemal soojusallikast, kuumadest pindadest, sädemetest, leekidest ja muudest süüteallikatest. Mitte suitsetada. Mitte kasutada seadmeid, mis võivad tekitada sädemeid.
Hügieenimeetmed	:	Toote käitlemise ajal mitte süüa, juua ega suitsetada. Iga kord pärast töö lõpetamist pesta käsi.

7.2. Ohutu ladustamise tingimused, sealhulgas sobimatud ladustamistingimused

Ladustamistingimused : Hoida kuivas. Hoida toatemperatuuril. Hoida originaalkonteinerites. Hoida pakend tihedalt suletuna.

7.3. Erikasutus

Toote kokkupuutestsenaarium(id).

8. JAGU: Kokkupuute ohjamine/isikukaitse

8.1. Kontrolliparameetrid

Riiklikud ohtlike ainete piirnormid töökeskkonnas ja bioloogilised piirnormid

EDTA-disodium copper complex (14025-15-1)	
EL - Töökeskkonna ohtlike ainete soovituslik piirnorm (IOEL)	
VLA-ED (mg/m³) (hingatav tolm)	0,01 mg/m³ (vask)
IOEL TWA (hingatav tolm)	3 mg/m³
IOEL TWA (sissehingatav tolm)	10 mg/m³

DNEL ja PNEC

EDTA-disodium copper complex (14025-15-1)	
DNEL/DMEL (Töötajad)	
Pikaajaline - kohalikud mõjud, nahakaudne	3750 mg/kehamassi kg/päev
Pikaajaline - süsteemsed toimed, sissehingamisel	1,8 mg/m³
DNEL/DMEL (Elanikkond)	
Pikaajaline - süsteemsed toimed, suukaudne	0,375 mg/kehamassi kg/päev
Pikaajaline - süsteemsed toimed, sissehingamisel	0,45 mg/m³
Pikaajaline – süsteemsed toimed, nahakaudne	1875 mg/kehamassi kg/päev
PNEC (Vesi)	
PNEC aqua (magevees)	2,95 mg/l
PNEC aqua (merevees)	0,3 mg/l
PNEC (Pinnas)	
PNEC pinnas	0,21 mg/kuivkaalu kg
PNEC (STP)	
PNEC veepuhastusjaam	65,4 mg/l

8.2. Kokkupuute ohjamine

Asjakohane tehniline kontroll

Asjakohane tehniline kontroll:
Tagada töökohas hea ventilatsioon. Võtta saasteaine tõhusalt välja. Töötajate väljaõpe heade tavade alal. Juhtimine/järelevalve kohapeal, et kontrollida, et ettenähtud riskijuhtimismeetmeid kasutatakse õigesti ja et töötingimusi järgitakse. Iga potentsiaalse kokkupuutekoha vahetus läheduses peavad olema esmaabisilmapesukraanid ning esmaabidušid. Käsitseda vastavalt headele tööstushügieeni ja ohutustavadele.

Isikukaitsevahendid

Isikukaitsevarustuse sümbol(id):

Silmade ja näo kaitsmine

Silmakaitsevahendid:
Hermeetilised kaitseprillid

Naha kaitsmine

Naha- ja kehakaitsevahendid:
Kanda sobivat kaitseriietust

Käte kaitse:
Kaitsekindad

Käte kaitse					
liik	**Materjal**	**Läbitungimine**	**Paksus (mm)**	**Läbitungivus**	**Standard**
Kaitsekindad					EN ISO 374

Hingamisteede kaitsmine

Hingamisteede kaitsmine:
Ebapiisava ventilatsiooni korral kanda sobivat hingamisteede kaitsevahendit

Hingamisteede kaitsmine			
Seadeldis	**Filtritüüp**	**Tingimus**	**Standard**
Peenosakeste vastane kaitsefilter	liik P2		EN 143

Kokkupuute ohjamine keskkonnas

Kokkupuute ohjamine keskkonnas:
Takistada aine tungimist kanalisatsiooni või vooluveekogudesse.
Muu teave:
Käsitseda vastavalt headele tööstushügieeni ja ohutustavadele.

9. JAGU: Füüsikalised ja keemilised omadused

9.1. Teave üldiste füüsikaliste ja keemiliste omaduste kohta

Füüsikaline olek	:	Tahke
Värv	:	Sinine.
Välimus	:	graanulid.
Lõhn	:	lõhnatu.
Lõhnaläve	:	Ei rakendata
Sulamispunkt	:	Enne sulamist laguneb
Külmumispunkt	:	Mittekohaldatav
Keemispunkt	:	Mittekohaldatav
Süttivus	:	Süttimatu
Plahvatusohtlikkus	:	Ei ole plahvatusohtlik.
Oksüdeerivad omadused	:	Mitteoksüdeeriv.
Alumine plahvatuspiir	:	≥ 40 g/m³
Ülemine plahvatuspiir	:	Mittekohaldatav
Leekpunkt	:	Mittekohaldatav
Isesüttimistemperatuur	:	≥ 340 °C
Lagunemistemperatuur	:	263 °C
pH	:	6 – 7 Vesilahus: 1%
Lahuse pH	:	Puudub
Viskoossus, kinemaatiline	:	Mittekohaldatav
Lahustuvus	:	Vesi: 680 g/l (0°C)
N-oktanooli-vee jaotustegur (Log Kow)	:	Puudub
N-oktanooli-vee jaotustegur (Log Pow)	:	-10,416
Aururõhk	:	Mittekohaldatav
Aururõhk temperatuuril 50°C	:	Puudub
Tihedus	:	Puudub
Suhteline tihedus	:	Puudub

Suhteline aurutihedus temperatuuril 20°C : Mittekohaldatav
Osakese suurus : Puudub

9.2. Muu teave

Muud ohutusnäitajad

Suhteline aurustumine (butüülatsetaadiga) : Mittekohaldatav
Näivtihedus : 600 – 800 kg/m³

10. JAGU: Püsivus ja reaktsioonivõime

10.1. Reaktsioonivõime

Toode ei ole reaktiivne tavaliste kasutamise, hoiustamise ja transpordi tingimustel.

10.2. Keemiline stabiilsus

Toode on normaalsetes käitlemis- ja ladustamistingimustes stabiilne.

10.3. Ohtlike reaktsioonide võimalikkus

Tolm võib õhuga segunedes moodustada plahvatusohtliku segu.

10.4. Tingimused, mida tuleb vältida

Soovitatud hoiustamise ja käsitsemise tingimustel puuduvad (vt osa 7).

10.5. Kokkusobimatud materjalid

Ei ole teada.

10.6. Ohtlikud lagusaadused

Tulekahju korral: Eraldub mürgist suitsu. Lämmastikoksiidid. Süsinikoksiidid (CO, CO2).

11. JAGU: Teave toksilisuse kohta

11.1. Teave ohuklasside kohta, nagu see on määratletud määruses (EÜ) nr 1272/2008

Äge mürgisus (suukaudne) : Allaneelamisel kahjulik.
Äge mürgisus (nahakaudne) : Klassifitseerimata
Äge mürgisus (sissehingamisel) : Klassifitseerimata

EDTA-disodium copper complex (14025-15-1)	
LD50 suu kaudu rotil	890 mg/kg (OECD meetod 403)
LC50 Sissehingamine - Rotil	> 5,3 mg/l 4h / (OECD meetod 436)

Nahasöövitus/-ärritus : Ei ole ärritav. (OECD meetod 404)
pH: 6 – 7 Vesilahus: 1%
Raske silmakahjustus/silmade ärritus : Arritav. (OECD meetod 405)
pH: 6 – 7 Vesilahus: 1%
Hingamisteede või naha sensibiliseerimine : Tundlikkust tekitav mõju puudub. (OECD meetod 429)
Mutageensus sugurakkudele : Klassifitseerimata. OECD 471 METHOD. (OECD meetod 476). (OECD meetod 487)
Kantserogeensus : Klassifitseerimata (Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud)
Reproduktiivtoksilisus : Klassifitseerimata

EDTA-disodium copper complex (14025-15-1)	
NOAEL (loom/isane, F0/P)	500 mg/kehamassi kg (OECD meetod 422)

Mürgisus sihtelundi suhtes – ühekordne kokkupuude : Klassifitseerimata (Andmed on lõplikud, kuid nendest ei piisa aine klassifitseerimiseks)
Mürgisus sihtelundi suhtes – korduv kokkupuude : Klassifitseerimata (Andmed on lõplikud, kuid nendest ei piisa aine klassifitseerimiseks)
Hingamiskahjustus : Klassifitseerimata (Ei rakendata)

EDTA-disodium copper complex (14025-15-1)	
Viskoossus, kinemaatiline	Mittekohaldatav

11.2. Teave muude ohtude kohta

Endokriinseid häireid põhjustavad omadused

Endokriinseid häireid põhjustavatest omadustest tuleneva tervist kahjustava : Aine ei ole kantud REACH-määruse artikli 59 lõike 1 kohaselt kehtestatud nimekirja, kuna sellel ei ole endokriinseid häireid tekitav toime ja sellel ei ole endokriinsüsteemi kahjustavad omadused vastavalt komisjoni delegeeritud määruses (EL) 2017/2100 või (EL) 2018/605 sätestatud kriteeriumitele.

12. JAGU: Ökoloogiline teave

12.1. Mürgisus

Ökoloogia - üldine : Toodet ei peeta mürgiseks veeorganismidele ning see ei põhjusta keskkonnas pikaajalisi kahjustavaid mõjusid.

Oht vesikeskkonnale, lühiajaline (äge) : Klassifitseerimata

Oht vesikeskkonnale, pikaajaline (krooniline) : Klassifitseerimata

EDTA-disodium copper complex (14025-15-1)	
LC50 - Kala [1]	555 mg/l
EC50 - Koorikloomad [1]	109,2 mg/l (OECD meetod 202)
EC50 72h - Vetikad [1]	662,6 mg/l (OECD meetod 201)
NOEC e täheldatavat toimet mitteavaldav kontsentratsioon (krooniline)	29,5 mg/l
NOEC krooniline kala	37,2 mg/l (OECD meetod 210)
NOEC krooniline koorikloomad	29,5 mg/l (OECD meetod 211)

12.2. Püsivus ja lagunduvus

EDTA-disodium copper complex (14025-15-1)	
Püsivus ja lagunduvus	Mitte kergesti biolagunev.

12.3. Bioakumulatsioon

EDTA-disodium copper complex (14025-15-1)	
N-oktanooli-vee jaotustegur (Log Pow)	-10,416
Bioakumulatsioon	Mitte potentsiaalselt bioakumuleeruv.

12.4. Liikuvus pinnases

EDTA-disodium copper complex (14025-15-1)	
Ökoloogia - pinnas	Eeldatavasti on pinnases väga liikuv.

12.5. Püsivate, bioakumuleeruvate ja toksiliste ning väga püsivate ja väga bioakumuleeruvate omaduste hindamine

EDTA-disodium copper complex (14025-15-1)
See aine/segu ei vasta REACH-määruse XIII lisas sätestatud PBT kriteeriumidele
See aine/segu ei vasta REACH-määruse XIII lisas sätestatud vPvB kriteeriumidele

12.6. Endokriinseid häireid põhjustavad omadused

Endokriinseid häireid põhjustavatest omadustest tuleneva tervist kahjustava : Aine ei ole kantud REACH-määruse artikli 59 lõike 1 kohaselt kehtestatud nimekirja, kuna sellel ei ole endokriinseid häireid tekitav toime ja sellel ei ole endokriinsüsteemi kahjustavad omadused vastavalt komisjoni delegeeritud määruses (EL) 2017/2100 või (EL) 2018/605 sätestatud kriteeriumitele.

12.7. Muu kahjulik mõju

Lisateave puudub

13. JAGU: Jäätmekäitlus

13.1. Jäätmetöötlusmeetodid

Piirkondlik jäätmete määrus : Hävitada vastavalt kehtivatele kohalikele/riiklikele ohutuseeskirjadele.
Jäätmetöötlusmeetodid : Kõrvaldada sisu/anum vastavuses volitatud kogumisettevõtte sorteerimiseeskirjadega.

14. JAGU: Veonõuded

Kooskõlas ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. ÜRO number või ID number				
Toode ei ole ohtlik veos veoeeskirjade tähenduses				
14.2. ÜRO veose tunnusnimetus				
Reguleerimata	Reguleerimata	Reguleerimata	Reguleerimata	Reguleerimata
14.3. Transpordi ohuklass(id)				
Reguleerimata	Reguleerimata	Reguleerimata	Reguleerimata	Reguleerimata
14.4. Pakendigrupp				
Reguleerimata	Reguleerimata	Reguleerimata	Reguleerimata	Reguleerimata
14.5. Keskkonnaohud				
Reguleerimata	Reguleerimata	Reguleerimata	Reguleerimata	Reguleerimata
Lisateave puudub				

14.6. Eriettevaatusabinõud kasutajatele

Maismaavedu
Reguleerimata

merevedu
Reguleerimata

Õhuvedu
Reguleerimata

Siseveetransport
Reguleerimata

Raudteetransport
Reguleerimata

14.7. Mahtlasti merevedu kooskõlas Rahvusvahelise Mereorganisatsiooni dokumentidega

Mittekohaldatav

15. JAGU: Reguleerivad õigusaktid

15.1. Ainete ja segude suhtes kohaldatavad ohutus-, tervise- ja keskkonnaalased eeskirjad/õigusaktid

EL eeskirjad

Muu teave, piirangute ja keeldudega seotud määrused : Kohaldatakse määrust (EL) 2019/1009. Toode vastab kohaldatavatele saasteainete sisalduse piirmääradele, mis on sätestatud Euroopa Parlamendi ja nõukogu 5. juuni 2019. aasta määruses (EL) 2019/1009.

REACH-i määruse XVII lisa (piirangute loetelu)

Ei ole loetletud REACHi määruse XVII lisas

REACHi määruse XIV lisa (lubade loetelu)

Ei ole loetletud REACHi määruse XIV lisas (lubade loetelu)

REACH-i kandidaatainete nimekiri (SVHC)

Ei ole kantud REACHi kandidaatainete nimekirja

PIC-määrus (eelnevalt teavitatud nõusolek)

Ei ole loetletud PIC-nimekirjas (määrus EU 649/2012)

POP-määrus (püsivad orgaanilised saasteained)

Ei ole loetletud POP-nimekirjas (määrus EU 2019/1021)

Osooni määrus (2024/590)

Ei ole loetletud osoonikihi kahanemise nimekirjas (määrus EL 2024/590)

Nõukogu määrus(EÜ) kahesuguse kasutusega kaupade kontrolli kohta

Ei ole loetletud NÕUKOGU MÄÄRUSES (EÜ) kahesuguse kasutusega kaupade kohta.

Lõhkeainete lähteainete määrus (EL 2019/1148)

Ei ole loetletud lõhkeainete lähteainete loetelus (EL)

Uimastite lähteainete määrus (EÜ 273/2004)

Ei ole kantud narkootikumide lähteainete loetellu (EL)

Siseriiklikud eeskirjad

Taiwani keemiliste ainete loetelus (TCSI)
Kantud Ameerika Ühendriikide TSCA (Toxic Substances Control Act) nimistusse - Staatus: Aktiivne
Kantud Kanada DSL (Domestic Sustances List) nimekirja
Kantud Jaapani nimistusse ENCS (Existing & New Chemical Substances)
Kantud Jaapani ISHL (Industrial Safety and Health Law) nimekirja
Kantud KECL/KECI-sse (Korea olemasolevate kemikaalide loendisse)
Kantud PICCS (Philippines Inventory of Chemicals and Chemical Substances) nimistusse
Kantud IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) nimistusse
Kantud loendisse Tai olemasolev kemikaalide nimistu (DIW)

Madalmaad

SZW-lijst van kankerverwekkende stoffen : Aine ei ole lisatud nimekirja
SZW-lijst van mutagene stoffen : Aine ei ole lisatud nimekirja
SZW-lijst van reprotoxische stoffen – Borstvoeding : Aine ei ole lisatud nimekirja
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : Aine ei ole lisatud nimekirja
SZW-lijst van reprotoxische stoffen – Ontwikkeling : Aine ei ole lisatud nimekirja

15.2. Kemikaaliohutuse hindamine

Läbi on viidud kemikaaliohutuse hindamine

16. JAGU: Muu teave

Andmeallikad : Tarnijainfo.

H- ja EUH-lausete terviktekst:	
Acute Tox. 4 (Suukaudne)	Äge (suukaudne) mürgisus, 4. kategooria
Eye Irrit. 2	Raske silmakahjustus/silmade ärritus, 2. kategooria
H302	Allaneelamisel kahjulik.
H319	Põhjustab tugevat silmade ärritust.

Klassifikatsioon vastab järgnevale : ATP 8

Ohutuskaart (SDS), EL

VASTUTUSEST LAHTIÜTLEMINE. Selle ohutussertifikaadi teave saadi allikatest, mida peame usaldusväärseteks. Sellegipoolest esitatakse teave mis tahes otsese või kaudse garantiita selle õigsuse kohta. Toote käitlemise, ladustamise, kasutamise või kõrvaldamise tingimused ei ole meie kontrolli all ning võivad olla meile teadmata. Sellel ning teistel põhjustel ei võta me endale vastutust ning ütleme otseselt lahti vastutusest kaotuste, kahjustuste või kulude eest, mis võivad tuleneda või on mis tahes viisil seotud toote käitlemise, ladustamise, kasutamise või kõrvaldamisega. See ohutussertifikaat valmistati ning on kasutatav vaid selle toote jaoks. Kui toodet kasutatakse teise toote komponendina, ei pruugi see ohutussertifikaadi teave olla kohaldatav.

Annex of Exposure Scenarios:

Industrial use, Formulation & (re)packing of substances and mixtures

Industrial use, Use in non-spraying formulations.

Professional use, Environmental and agricultural applications, Use in spraying formulations.

Professional use, Use in non-spraying formulations.

Consumer use, Use in non-spraying formulations.

1. Short title of Exposure Scenario: Industrial use, Formulation & (re)packing of substances and mixtures

Main User Groups	:	SU 3: Industrial uses: Uses of substances as such or in preparations at industrial sites
Environmental Release Categories	:	ERC2, ERC3: Formulation of preparations, Formulation in materials
Process categories	:	PROC1: Use in closed process, no likelihood of exposure PROC2: Use in closed, continuous process with occasional controlled exposure PROC3: Use in closed batch process (synthesis or formulation) PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises 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) PROC13: Treatment of articles by dipping and pouring PROC14: Tabletting, compression, extrusion, pelettisation, granulation PROC15: Use as laboratory reagent
Further information	:	The exposure scenario covers: Ethylenediaminetetraacetic acid, copper disodium complex

2.1 Contributing scenario controlling environmental exposure for: ERC2, ERC3: Formulation of preparations, Formulation in materials

Amount used

Regional use tonnage (tonnes/year):	:	999 ton(s)/year
Fraction of EU tonnage used in region:	:	100 %
Fraction of Regional tonnage used locally:	:	69 %
Maximum daily site tonnage(kg/day):	:	2300 kg/day

Environment factors not influenced by risk management

Flow rate	: 18.000 m3/day
Dilution Factor (River)	: 10
Dilution Factor (Coastal Areas)	: 100

Other given operational conditions affecting environmental exposure

Number of emission days per year	: 297
Emission or Release Factor: Air	: 0,001 %
Emission or Release Factor: Water	: 2 %
Emission or Release Factor: Soil	: 0,01 %

Conditions and measures related to sewage treatment plant

Type of Sewage Treatment Plant	: Municipal sewage treatment plant
Flow rate of sewage treatment plant effluent	: 2.000 m3/day
Percentage removed from waste water	: 5 ppb

2.3 Contributing scenario controlling worker exposure for: All PROCs: Applicable to all above mentioned process categories.

Product characteristics

Concentration of the Substance in Mixture/Article	: Covers the percentage of the substance in the product up to 100 % (unless stated differently).
Physical Form (at time of use)	: Solid, low dustiness, Liquid mixture
Remarks	: Inhalation exposure only via aerosols

Frequency and duration of use

Application duration	: < 8 h
Frequency of use	: <= 365 days/year

Other operational conditions affecting workers exposure

Outdoor / Indoor	: Indoor
Outdoor / Indoor	: Outdoor

Technical conditions and measures

No specific measures identified.

Organisational measures to prevent /limit releases, dispersion and exposure

Assumes a good basic standard of occupational hygiene is implemented, Ensure operatives are trained to minimise exposures., Clean equipment and the work area every day., Clear spills immediately.

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

Use suitable eye protection.

2.4 Contributing scenario controlling worker exposure for: PROC1: Use in closed process, no likelihood of exposure

Activity : General exposures (closed systems), Continuous process

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Clear transfer lines prior to de-coupling.

2.5 Contributing scenario controlling worker exposure for: PROC2: Use in closed, continuous process with occasional controlled exposure

Activity : General exposures (closed systems), Continuous process, Automated process with (semi) closed systems

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Clear transfer lines prior to de-coupling.

2.6 Contributing scenario controlling worker exposure for: PROC3: Use in closed batch process (synthesis or formulation)

Activity : General exposures, Use in contained batch processes

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Drain down and flush system prior to equipment opening or maintenance.

2.7 Contributing scenario controlling worker exposure for: PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises

Activity : General exposures, Batch process, Open systems

Technical conditions and measures

No specific measures identified., Use bulk or semi-bulk handling systems., Drain down and flush system prior to equipment opening or maintenance.

2.8 Contributing scenario controlling worker exposure for: PROC5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/ or significant contact)

Activity : General exposures, Batch process, Mixing operations (open systems)

Technical conditions and measures

No specific measures identified., Use bulk or semi-bulk handling systems., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.9 Contributing scenario controlling worker exposure for: PROC8a: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities

Activity : General exposures, Material transfers, Non-dedicated facility

Technical conditions and measures

No specific measures identified., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.10 Contributing scenario controlling worker exposure for: PROC8b: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities

Activity : General exposures, Material transfers, Dedicated facility

Technical conditions and measures

No specific measures identified., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.11 Contributing scenario controlling worker exposure for: PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

Activity : Drum and small package filling

Technical conditions and measures

No specific measures identified., Drain down and flush system prior to equipment opening or maintenance.

2.12 Contributing scenario controlling worker exposure for: PROC13: Treatment of articles by dipping and pouring

Activity : Dipping, immersion and pouring, General exposures (open systems)

Technical conditions and measures

No specific measures identified., Drain down and flush system prior to equipment opening or maintenance.

2.13 Contributing scenario controlling worker exposure for: PROC14: Tabletting, compression, extrusion, pelettisation, granulation

Activity : General exposures (open systems), Production or preparation or articles by tabletting, compression, extrusion or pelletisation

Technical conditions and measures

No specific measures identified.

2.14 Contributing scenario controlling worker exposure for: PROC15: Use as laboratory reagent

Activity : General exposures, Laboratory activities, Small scale, Manual

Technical conditions and measures

No specific measures identified.

3. Exposure estimation and reference to its source

Environment

Contributing Scenario	Exposure Assessment Method	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC2	EUSES		Fresh water		2,34 mg/L	0,792
			Marine water		0,234 mg/L	0,779
			Sewage treatmentplant		23 mg/L	0,352
			Soil		0,000 mg/kg dry weight	< 0,01

Workers

Contributing Scenario	Exposure Assessment Method	Specific conditions	Value	Level of Exposure	RCR
PROC1	ECETOC TRA		Long term inhalation	0,01 mg/m³	< 0,01
			Long term dermal	0,034 mg/kg bw/day	< 0,01
PROC2	ECETOC TRA		Long term inhalation	0,01 mg/m3	< 0,01
			Long term dermal	1,37 mg/kg bw/day	< 0,01
PROC3	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,05
			Long term dermal	0,69 mg/kg bw/day	< 0,01
PROC4	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	6,86 mg/kg bw/day	< 0,01
PROC5	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	13,71 mg/kg bw/day	< 0,01
PROC8a	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	13,71 mg/kg bw/day	< 0,01
PROC8b	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long term dermal	13,71 mg/kg bw/day	< 0,01
PROC9	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long term dermal	6,86 mg/kg bw/day	< 0,01
PROC13	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long term dermal	13,71 mg/kg bw/day	< 0,01
CS100	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long term dermal	3,43 mg/kg bw/day	< 0,01
PROC15	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long term dermal	0,34 mg/kg bw/day	< 0,01

CS100: Production or preparation or articles by tabletting, compression, extrusion or pelletisation
ERC2: Formulation of preparations
PROC1: Use in closed process, no likelihood of exposure
PROC13: Treatment of articles by dipping and pouring
PROC15: Use as laboratory reagent
PROC2: Use in closed, continuous process with occasional controlled exposure
PROC3: Use in closed batch process (synthesis or formulation)
PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises
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)

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

For further information, please also consult our Internet site: Downstream Users
www.echa.europa.eu/regulations/reach/downstream-users

1. Short title of Exposure Scenario: Industrial use, Use in non-spraying formulations.

Main User Groups	: SU 3: Industrial uses: Uses of substances as such or in preparations at industrial sites
Environmental Release Categories	: ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7: Use of non-reactive processing aid at industrial site (no inclusion into or onto article), Industrial use resulting in inclusion into or onto a matrix, Use of intermediate, Use of reactive processing aid at industrial site (no inclusion into or onto article), Industrial use of monomers for manufacture of thermoplastics, Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers, Industrial use of substances in closed systems
Process categories	: PROC1: Use in closed process, no likelihood of exposure PROC2: Use in closed, continuous process with occasional controlled exposure PROC3: Use in closed batch process (synthesis or formulation) PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises 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) PROC13: Treatment of articles by dipping and pouring PROC14: Tabletting, compression, extrusion, pelettisation, granulation PROC15: Use as laboratory reagent
Further information	: The exposure scenario covers: Ethylenediaminetetraacetic acid, copper disodium complex

2.1 Contributing scenario controlling environmental exposure for: ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

Amount used

Regional use tonnage (tonnes/year):: 999 ton(s)/year

Fraction of EU tonnage used in region:	: 100 %
Fraction of Regional tonnage used locally:	: 0,7 %
Maximum daily site tonnage (kg/day):	: 46 kg/day

Environment factors not influenced by risk management

Flow rate	: 18.000 m3/day
Dilution Factor (River)	: 10
Dilution Factor (Coastal Areas)	: 100

Other given operational conditions affecting environmental exposure

Number of emission days per year	: 150
Emission or Release Factor: Air	: 0,001 %
Emission or Release Factor: Water	: 100 %
Emission or Release Factor: Soil	: 0,5 %

Conditions and measures related to sewage treatment plant

Type of Sewage Treatment Plant	: Municipal sewage treatment plant
Flow rate of sewage treatment plant effluent	: 2.000 m3/day
Percentage removed from waste water	: 5 ppb

2.2 Contributing scenario controlling worker exposure for: All PROCs: Applicable to all above mentioned process categories.

Product characteristics

Concentration of the Substance in Mixture/Article	: Covers the percentage of the substance in the product up to 100 % (unless stated differently).
Physical Form (at time of use)	: Solid, low dustiness, Liquid mixture
Remarks	: Inhalation exposure only via aerosols

Frequency and duration of use

Application duration	: < 8 h
Frequency of use	: <= 365 days/year

Other operational conditions affecting workers exposure

Outdoor / Indoor	: Indoor
Outdoor / Indoor	: Outdoor

Technical conditions and measures

No specific measures identified.

Organisational measures to prevent /limit releases, dispersion and exposure

Assumes a good basic standard of occupational hygiene is implemented, Ensure operatives are trained to minimise exposures., Clean equipment and the work area every day., Clear spills immediately.

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

Use suitable eye protection.

2.3 Contributing scenario controlling worker exposure for: PROC1: Use in closed process, no likelihood of exposure

Activity : General exposures (closed systems), Continuous process

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Clear transfer lines prior to de-coupling.

2.4 Contributing scenario controlling worker exposure for: PROC2: Use in closed, continuous process with occasional controlled exposure

Activity : General exposures (closed systems), Continuous process, Automated process with (semi) closed systems

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Clear transfer lines prior to de-coupling.

2.5 Contributing scenario controlling worker exposure for: PROC3: Use in closed batch process (synthesis or formulation)

Activity : General exposures, Use in contained batch processes

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Drain down and flush system prior to equipment opening or maintenance.

2.6 Contributing scenario controlling worker exposure for: PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises

Activity : General exposures, Batch process, Open systems

Technical conditions and measures

No specific measures identified., Use bulk or semi-bulk handling systems., Drain down and flush system prior to equipment opening or maintenance.

2.7 Contributing scenario controlling worker exposure for: PROC5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/ or significant contact)

Activity : General exposures, Batch process, Mixing operations (open systems)

Technical conditions and measures

No specific measures identified., Use bulk or semi-bulk handling systems., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.8 Contributing scenario controlling worker exposure for: PROC8a: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities

Activity : General exposures, Material transfers, Non-dedicated facility

Technical conditions and measures

No specific measures identified., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.9 Contributing scenario controlling worker exposure for: PROC8b: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities

Activity : General exposures, Material transfers, Dedicated facility

Technical conditions and measures

No specific measures identified., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.10 Contributing scenario controlling worker exposure for: PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

Activity : Drum and small package filling

Technical conditions and measures

No specific measures identified., Drain down and flush system prior to equipment opening or maintenance.

2.11 Contributing scenario controlling worker exposure for: PROC13: Treatment of articles by dipping and pouring

Activity : Dipping, immersion and pouring, General exposures (open systems)

Technical conditions and measures

No specific measures identified., Drain down and flush system prior to equipment opening or maintenance.

2.12 Contributing scenario controlling worker exposure for: PROC14: Tabletting, compression, extrusion, pelettisation, granulation

Activity : General exposures (open systems), Production or preparation or articles by tabletting, compression, extrusion or pelletisation

Technical conditions and measures

No specific measures identified.

2.13 Contributing scenario controlling worker exposure for: PROC15: Use as laboratory reagent

Activity : General exposures, Laboratory activities, Small scale, Manual

Technical conditions and measures

No specific measures identified.

3. Exposure estimation and reference to its source

Environment

Contributing Scenario	Exposure Assessment Method	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC4	EUSES		Fresh water		2,34 mg/L	0,792
			Marine water		0,234 mg/L	0,779
			Sewage treatment plant		23 mg/L	0,352
			Soil		0,000 mg/kg dry weight	< 0,01

Workers

Contributing Scenario	Exposure Assessment Method	Specific conditions	Value	Level of Exposure	RCR
PROC1	ECETOC TRA		Long term inhalation	0,01 mg/m³	< 0,01
			Long term dermal	0,034 mg/kg bw/day	< 0,01
PROC2	ECETOC TRA		Long term inhalation	0,01 mg/m3	< 0,01
			Long term dermal	1,37 mg/kg bw/day	< 0,01
PROC3	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,05
			Long term dermal	0,69 mg/kg bw/day	< 0,01
PROC4	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	6,86 mg/kg bw/day	< 0,01
PROC5	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	13,71 mg/kg bw/day	< 0,01
PROC8a	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	13,71 mg/kg bw/day	< 0,01
PROC8b	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long termdermal	13,71 mg/kg bw/day	< 0,01
PROC9	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long termdermal	6,86 mg/kg bw/day	< 0,01
PROC13	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long termdermal	13,71 mg/kg bw/day	< 0,01
CS100	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long termdermal	3,43 mg/kg bw/day	< 0,01
PROC15	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long termdermal	0,34 mg/kg bw/day	< 0,01

CS100: Production or preparation or articles by tabletting, compression, extrusion or pelletisation
ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
PROC1: Use in closed process, no likelihood of exposure
PROC13: Treatment of articles by dipping and pouring
PROC15: Use as laboratory reagent
PROC2: Use in closed, continuous process with occasional controlled exposure
PROC3: Use in closed batch process (synthesis or formulation)
PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises
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)

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

For further information, please also consult our Internet site: Downstream Users
www.echa.europa.eu/regulations/reach/downstream-users

1. Short title of Exposure Scenario: Professional use, Environmental and agricultural applications, Use in spraying formulations.

Main User Groups	: SU 22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Environmental Release Categories	: ERC8a, ERC8d: Wide dispersive indoor use of processing aids in open systems, Wide dispersive outdoor use of processing aids in open systems
Process categories	: PROC11: Non-industrial spraying
Further information	: The exposure scenario covers: Ethylenediaminetetraacetic acid, copper disodium complex

2.1 Contributing scenario controlling environmental exposure for: ERC8a, ERC8d: Wide dispersive indoor use of processing aids in open systems, Wide dispersive outdoor use of processing aids in open systems

Amount used

Regional use tonnage (tonnes/year):	: 999 ton(s)/year
Fraction of EU tonnage used in region:	: 10 %
Fraction of Regional tonnage used locally:	: 0,2 %
Maximum daily site tonnage (kg/day):	: 0,54 kg/day

Environment factors not influenced by risk management

Flow rate	: 18.000 m3/day
Dilution Factor (River)	: 10
Dilution Factor (Coastal Areas)	: 100

Other given operational conditions affecting environmental exposure

Number of emission days per year	: 365
Emission or Release Factor: Air	: 0,001 %
Emission or Release Factor: Water	: 100 %
Emission or Release Factor: Soil	: 0,5 %

2.2 Contributing scenario controlling worker exposure for: PROC11: Non-industrial spraying

Product characteristics

Concentration of the Substance in Mixture/Article	: Covers the percentage of the substance in the product up to 100 % (unless stated differently).
Physical Form (at time of use)	: Solid, low dustiness, Liquid mixture
Remarks	: Inhalation exposure only via aerosols

Frequency and duration of use

Application duration	: < 8 h
Frequency of use	: <= 365 days/year

Other operational conditions affecting workers exposure

Outdoor / Indoor	: Indoor
Outdoor / Indoor	: Outdoor
	: , Spraying with no or low compressed air use

Technical conditions and measures

No specific measures identified., Avoid splashing.

Organisational measures to prevent /limit releases, dispersion and exposure

Assumes a good basic standard of occupational hygiene is implemented, Ensure operatives are trained to minimise exposures., Clean equipment and the work area every day., Clear spills immediately.

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

Use suitable eye protection.

2.3 Contributing scenario controlling worker exposure for: PROC11: Non-industrial spraying

Product characteristics

Concentration of the Substance in Mixture/Article	: Covers percentage substance in the product up to 1 %.
Physical Form (at time of use)	: Liquid mixture, Solid, medium dustiness

Frequency and duration of use

Application duration	: < 4 h
Frequency of use	: <= 365 days/year

Other operational conditions affecting workers exposure

Outdoor / Indoor	: Indoor

Organisational measures to prevent /limit releases, dispersion and exposure

Avoid carrying out activities involving exposure for more than 4 hours per day., Assumes a good basic standard of occupational hygiene is implemented, Ensure operatives are trained to minimise exposures., Clean equipment and the work area every day., Clear spills immediately.

2.4 Contributing scenario controlling worker exposure for: PROC11: Non-industrial spraying

Product characteristics

Concentration of the Substance in Mixture/Article : Covers percentage substance in the product up to 1 %.

Physical Form (at time of use) : Liquid mixture, Solid, medium dustiness

Frequency and duration of use

Exposure duration : < 8 h

Frequency of use : <= 365 days/year

Other operational conditions affecting workers exposure

Outdoor / Indoor : Outdoor

Technical conditions and measures

Avoid splashing., No specific measures identified.

Organisational measures to prevent /limit releases, dispersion and exposure

Assumes a good basic standard of occupational hygiene is implemented, Ensure operatives are trained to minimise exposures., Clean equipment and the work area every day., Clear spills immediately.

3. Exposure estimation and reference to its source

Environment

Contributing Scenario	Exposure Assessment Method	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC8d	EUSES		Fresh water		0,064 mg/L	0,022
			Marine water		0,006 mg/L	0,21
			Sewage treatment plant		23 mg/L	0,352
			Soil		0,000 mg/kg dry weight	< 0,01

Workers

Contributing Scenario	Exposure Assessment Method	Specific conditions	Value	Level of Exposure	RCR
PROC11	ECETOC TRA		Long term inhalation	1 mg/m³	0,556
			Long term dermal	107,1 mg/kg bw/day	0,029
PROC11	ECETOC TRA		Long term inhalation	1,2 mg/m³	0,67
			Long term dermal	21,43 mg/kg bw/day	0,01
PROC11	ECETOC TRA	Outdoor	Long term inhalation	1,4 mg/m³	0,78
			Long term dermal	21,43 mg/kg bw/day	0,01
			Long term dermal	107,1 mg/kg bw/day	0,029

ERC8d: Wide dispersive outdoor use of processing aids in open systems
PROC11: Non-industrial spraying

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

For further information, please also consult our Internet site: Downstream Users
www.echa.europa.eu/regulations/reach/downstream-users

1. Short title of Exposure Scenario: Professional use, Use in non-spraying formulations.

Main User Groups	: SU 22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Environmental Release Categories	: ERC8a, ERC8d: Wide dispersive indoor use of processing aids in open systems, Wide dispersive outdoor use of processing aids in open systems
Process categories	: PROC1: Use in closed process, no likelihood of exposure PROC2: Use in closed, continuous process with occasional controlled exposure PROC3: Use in closed batch process (synthesis or formulation) PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises 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) PROC13: Treatment of articles by dipping and pouring PROC14: Tabletting, compression, extrusion, pelettisation, granulation PROC15: Use as laboratory reagent PROC19: Manual activities involving hand contact PROC21: Low energy manipulation and handling of substances bound in/on materials and/or articles
Further information	: The exposure scenario covers: Ethylenediaminetetraacetic acid, copper disodium complex

2.1 Contributing scenario controlling environmental exposure for: ERC8a, ERC8d: Wide dispersive indoor use of processing aids in open systems, Wide dispersive outdoor use of processing aids in open systems

Amount used

Regional use tonnage (tonnes/year):	: 999 ton(s)/year
Fraction of EU tonnage used in	: 10 %

region:
Fraction of Regional tonnage used locally: : 16,95 %
Maximum daily site tonnage (kg/day): : 464 kg/day

Environment factors not influenced by risk management

Flow rate : 18.000 m3/day
Dilution Factor (River) : 10
Dilution Factor (Coastal Areas) : 100

Other given operational conditions affecting environmental exposure

Number of emission days per year : 365
Emission or Release Factor: Air : 0,001 %
Emission or Release Factor: Water : 100 %
Emission or Release Factor: Soil : 0 %

Conditions and measures related to sewage treatment plant

Type of Sewage Treatment Plant : Municipal sewage treatment plant
Flow rate of sewage treatment plant effluent : 2.000 m3/day
Percentage removed from waste water : 5 ppb

2.2 Contributing scenario controlling worker exposure for: All PROCs: Applicable to all above mentioned process categories.

Product characteristics

Concentration of the Substance in Mixture/Article : Covers the percentage of the substance in the product up to 100 % (unless stated differently).
Physical Form (at time of use) : Solid, low dustiness, Liquid mixture
Remarks : Inhalation exposure only via aerosols

Frequency and duration of use

Application duration : < 8 h
Frequency of use : <= 365 days/year

Other operational conditions affecting workers exposure

Outdoor / Indoor : Indoor
Outdoor / Indoor : Outdoor

Technical conditions and measures

No specific measures identified.

Organisational measures to prevent /limit releases, dispersion and exposure

Assumes a good basic standard of occupational hygiene is implemented, Ensure operatives are trained to minimise exposures., Clean equipment and the work area every day., Clear spills immediately.

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

Use suitable eye protection.

2.3 Contributing scenario controlling worker exposure for: PROC1: Use in closed process, no likelihood of exposure

Activity : General exposures (closed systems), Continuous process

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Clear transfer lines prior to de-coupling.

2.4 Contributing scenario controlling worker exposure for: PROC2: Use in closed, continuous process with occasional controlled exposure

Activity : General exposures (closed systems), Continuous process, Automated process with (semi) closed systems

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Clear transfer lines prior to de-coupling.

2.5 Contributing scenario controlling worker exposure for: PROC3: Use in closed batch process (synthesis or formulation)

Activity : General exposures, Use in contained batch processes

Technical conditions and measures

No specific measures identified., Handle substance within a closed system., Drain down and flush system prior to equipment opening or maintenance.

2.6 Contributing scenario controlling worker exposure for: PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises

Activity : General exposures, Batch process, Open systems

Technical conditions and measures

No specific measures identified., Use bulk or semi-bulk handling systems., Drain down and flush system prior to equipment opening or maintenance.

2.7 Contributing scenario controlling worker exposure for: PROC5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/ or significant contact)

Activity : General exposures, Batch process, Mixing operations (open systems)

Technical conditions and measures

No specific measures identified., Use bulk or semi-bulk handling systems., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.8 Contributing scenario controlling worker exposure for: PROC8a: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities

Activity : General exposures, Material transfers, Non-dedicated facility

Technical conditions and measures

No specific measures identified., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.9 Contributing scenario controlling worker exposure for: PROC8b: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities

Activity : General exposures, Material transfers, Dedicated facility

Technical conditions and measures

No specific measures identified., Use drum pumps., Drain down and flush system prior to equipment opening or maintenance.

2.10 Contributing scenario controlling worker exposure for: PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

Activity : Drum and small package filling

Technical conditions and measures

No specific measures identified., Drain down and flush system prior to equipment opening or maintenance.

2.11 Contributing scenario controlling worker exposure for: PROC13: Treatment of articles by dipping and pouring

Activity : Dipping, immersion and pouring, General exposures (open systems)

Technical conditions and measures

No specific measures identified., Drain down and flush system prior to equipment opening or maintenance.

2.12 Contributing scenario controlling worker exposure for: PROC14: Tabletting, compression, extrusion, pelettisation, granulation

Activity : General exposures (open systems), Production or preparation or articles by tabletting, compression, extrusion or pelletisation

Technical conditions and measures

No specific measures identified.

2.13 Contributing scenario controlling worker exposure for: PROC15: Use as laboratory reagent

Activity : General exposures, Laboratory activities, Small scale, Manual

Technical conditions and measures

No specific measures identified.

2.14 Contributing scenario controlling worker exposure for: PROC19: Manual activities involving hand contact

Activity : General exposures, Mixing operations (open systems), Manual

Technical conditions and measures

No specific measures identified.

2.15 Contributing scenario controlling worker exposure for: PROC21: Low energy manipulation and handling of substances bound in/on materials and/or articles

Activity : General exposures, Manual

Product characteristics

Concentration of the Substance in Mixture/Article : Covers the percentage of the substance in the product up to 5%.

Other operational conditions affecting workers exposure

Outdoor / Indoor : Indoor

Organisational measures to prevent /limit releases, dispersion and exposure

Limit the substance content in the product to 5 %.

2.16 Contributing scenario controlling worker exposure for: PROC21: Low energy manipulation and handling of substances bound in/on materials and/or articles

Activity : General exposures, Manual

Product characteristics

Concentration of the Substance in Mixture/Article : Covers the percentage of the substance in the product up to 25%.

Other operational conditions affecting workers exposure

Outdoor / Indoor : Outdoor

Organisational measures to prevent /limit releases, dispersion and exposure

Limit the substance content in the product to 25 %.

3. Exposure estimation and reference to its source

Environment

Contributing Scenario	Exposure Assessment Method	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC8d	EUSES		Fresh water		0,064 mg/L	0,022
			Marine water		0,006 mg/L	0,021
			Sewage treatmentplant		0,275 mg/L	< 0,01
			Soil		< 0,0001 mg/kg dry weight	< 0,01

Workers

Contributing Scenario	Exposure Assessment Method	Specific conditions	Value	Level of Exposure	RCR
PROC1	ECETOC TRA		Long term inhalation	0,01 mg/m³	< 0,01
			Long term dermal	0,034 mg/kg bw/day	< 0,01
PROC2	ECETOC TRA		Long term inhalation	0,01 mg/m3	< 0,01
			Long term dermal	1,37 mg/kg bw/day	< 0,01
PROC3	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long term dermal	0,69 mg/kg bw/day	< 0,01
PROC4	ECETOC TRA		Long term inhalation	1 mg/m³	0,556
			Long term dermal	6,86 mg/kg bw/day	< 0,01
PROC5	ECETOC TRA		Long term inhalation	1 mg/m³	0,556
			Long term dermal	13,71 mg/kg bw/day	< 0,01
PROC8a	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	13,71 mg/kg bw/day	< 0,01
PROC8b	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	13,71 mg/kg bw/day	< 0,01
PROC9	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	6,86 mg/kg bw/day	< 0,01

PROC13	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	13,71 mg/kg bw/day	< 0,01
CS100	ECETOC TRA		Long term inhalation	1 mg/m³	0,556
			Long term dermal	3,43 mg/kg bw/day	< 0,01
PROC15	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056
			Long term dermal	0,34 mg/kg bw/day	< 0,01
PROC19	ECETOC TRA		Long term inhalation	0,5 mg/m³	0,278
			Long term dermal	141,4 mg/kg bw/day	0,038
PROC21	ECETOC TRA	Indoor	Long term inhalation	0,6 mg/m³	0,333
			Long term dermal	0,566 mg/kg bw/day	< 0,01
PROC21	ECETOC TRA	Outdoor	Long term inhalation	1,26 mg/m3	0,7
			Long term dermal	1,698 mg/kg bw/day	< 0,01
			dermal	bw/day	
CS100	ECETOC TRA		Long term inhalation	1 mg/m³	0,556
			Long term dermal	3,43 mg/kg bw/day	< 0,01
PROC15	ECETOC TRA		Long term inhalation	0,1 mg/m³	0,056

CS100: Production or preparation or articles by tabletting, compression, extrusion or pelletisation
ERC8d: Wide dispersive outdoor use of processing aids in open systems
PROC1: Use in closed process, no likelihood of exposure
PROC13: Treatment of articles by dipping and pouring
PROC15: Use as laboratory reagent
PROC19: Manual activities involving hand contact
PROC2: Use in closed, continuous process with occasional controlled exposure
PROC21: Low energy manipulation and handling of substances bound in/on materials and/or articles
PROC3: Use in closed batch process (synthesis or formulation)
PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises
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)

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

For further information, please also consult our Internet site: Downstream Users
www.echa.europa.eu/regulations/reach/downstream-users

1. Short title of Exposure Scenario: Consumer use, Use in non-spraying formulations.

Main User Groups	:	SU 21: Consumer uses: Private households (= general public = consumers)
Environmental Release Categories	:	ERC8a, ERC8d: Wide dispersive indoor use of processing aids in open systems, Wide dispersive outdoor use of processing aids in open systems
Chemical product category	:	PC12: Fertilizers PC9a: Coatings and paints, thinners, paint removers PC9b: Fillers, putties, plasters, modelling clay
Further information	:	The exposure scenario covers: Ethylenediaminetetraacetic acid, copper disodium complex

2.1 Contributing scenario controlling environmental exposure for: ERC8a, ERC8d: Wide dispersive indoor use of processing aids in open systems, Wide dispersive outdoor use of processing aids in open systems

Amount used

Regional use tonnage (tonnes/year):	:	999 ton(s)/year
Fraction of EU tonnage used in region:	:	10 %
Fraction of Regional tonnage used locally:	:	2 %
Maximum daily site tonnage (kg/day):	:	5,47 kg/day

Environment factors not influenced by risk management

Flow rate	:	18.000 m3/day
Dilution Factor (River)	:	10
Dilution Factor (Coastal Areas)	:	100

Other given operational conditions affecting environmental exposure

Number of emission days per year	:	365
Emission or Release Factor: Air	:	0,001 %
Emission or Release Factor: Water	:	100 %
Emission or Release Factor: Soil	:	20 %

Conditions and measures related to sewage treatment plant

Type of Sewage Treatment Plant	:	Municipal sewage treatment plant
Flow rate of sewage treatment	:	2.000 m3/day

plant effluent
Percentage removed from waste water : 5 ppb

2.2 Contributing scenario controlling consumer exposure for: PC12: Fertilizers

Product characteristics

Concentration of the Substance in Mixture/Article : Covers percentage substance in the product up to 0.1%.
Physical Form (at time of use) : Liquid mixture, Solid mixture, No spray applications

2.3 Contributing scenario controlling consumer exposure for: PC9: Coatings and Paints, Fillers, Putties, Thinners

Activity : Paint/coatings

Product characteristics

Concentration of the Substance in Mixture/Article : Covers percentage substance in the product up to 50%.
Physical Form (at time of use) : viscous liquid, No spray applications

Amount used

: 3750 g

Frequency and duration of use

Frequency of use : 1 event/day

Human factors not influenced by risk management

Dermal exposure : Palms of both hands (480 cm2)

2.4 Contributing scenario controlling consumer exposure for: PC9b: Fillers, putties, plasters, modelling clay

Product characteristics

Concentration of the Substance in Mixture/Article : Covers the percentage of the substance in the product up to 100 % (unless stated differently).

Physical Form (at time of use) : viscous liquid, paste

Amount used

: 100 g

Frequency and duration of use

Frequency of use : 1 event/day

Human factors not influenced by risk management

Dermal exposure : Finger tip. (35,7 cm2)

Other given operational conditions affecting consumers exposure

Outdoor / Indoor : Indoor

Temperature : 25 °C

2.5 Contributing scenario controlling consumer exposure for: PC9b: Fillers, putties, plasters, modelling clay

Product characteristics

Concentration of the Substance in Mixture/Article : Covers percentage substance in the product up to 0.1%.

Physical Form (at time of use) : paste

Human factors not influenced by risk management

Dermal exposure : Palms of both hands (480 cm2)

3. Exposure estimation and reference to its source

Environment

Contributing Scenario	Exposure Assessment Method	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC8d	EUSES		Fresh water		0,064 mg/L	0,022
			Marine water		0,006 mg/L	0,021
			Sewage treatment plant		0,275 mg/L	< 0,01
			Soil		< 0,0001 mg/kg dry weight	< 0,01

Consumers

Contributing Scenario	Exposure Assessment Method	Specific conditions	Value	Level of Exposure	RCR
PC12	ECETOC TRA		Long term inhalation	0 mg/m³	< 0,01
			Long term dermal	0,0143 mg/kg bw/day	< 0,01
			Long-term oral	0,03 mg/kg bw/day	0,08
PC9a	ECETOC TRA	Use in non-spraying formulations.	Long term inhalation	< 0,0001 mg/m³	< 0,01
			Long term dermal	33,73 mg/kg bw/day	0,019
			Long-term oral	0 mg/kg bw/day	< 0,01
PC9b	ECETOC TRA	Fillers and putty	Long term inhalation	< 0,0001 mg/m³	< 0,01
			Long term dermal	5,95 mg/kg bw/day	< 0,01
			Long-term oral	0 mg/kg bw/day	< 0,01
PC9b	ECETOC TRA	Modelling clay	Long term inhalation	0 mg/m³	< 0,01
			Long term dermal	0,254 mg/kg bw/day	< 0,01
			Long-term oral	0,1 mg/kg bw/day	0,267

ERC8d: Wide dispersive outdoor use of processing aids in open systems
PC12: Fertilizers
PC9a: Coatings and paints, thinners, paint removers
PC9b: Fillers, putties, plasters, modelling clay
Inhalation exposure is negligible
The substance has a very low vapor pressure and is not dusty

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

For further information, please also consult our Internet site: Downstream Users
www.echa.europa.eu/regulations/reach/downstream-users