



ÖRYGGISBLAÐ METHYL PROXITOL ACETATE

KAFLI 1: Auðkenning efnisins eða efnablöndunnar og félagsins eða fyrirtækisins

1.1 Vörukenni

Heiti vöru	METHYL PROXITOL ACETATE
Vörunúmer	51555
Samheiti; viðskiptaheiti	1-METHOXY-2-PROPANOL ACETATE, 1-METHOXY-2-PROPYL ACETATE, PGMEA, PMA
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
ESB skráarnúmer	607-195-00-7
EB númer	203-603-9

1.2 Viðeigandi og tilgreind notkun efnis eða blöndu og notkun sem ráðið er frá

Tilgreind notkun	Leysir. Fyrir frekari upplýsingar, sjá váhrifasviðsmynd í viðhengi.
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1.3 Upplýsingar um birgi öryggisblaðsins

Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com
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1.4 Neyðarsímanúmer

Neyðarsími	SGS - +32 (0)3 575 55 55 (24h)
Neyðarsímanúmer	Eitrunarmiðstöðin 543 2222
Sds No.	51555

KAFLI 2: Hættugreining

2.1 Flokkun efnisins eða blöndunnar

Flokkun (EB 1272/2008)

Líkamleg hættu	Eldf. vökvi 3 - H226
Heilbrigðishættu	Óflokkað
Umhverfishættu	Óflokkað

2.2. Merkingaratriði

EB númer	203-603-9
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METHYL PROXITOL ACETATE

Skýringarmynd



Viðvörðunorð

Varúð

Hættusetningar

H226 Eldfimir vökvi og gufa.

Varnaðarsetning

P210 Haldið frá hitagjöfum, heitum flötum, neistagjöfum, opnum eldi og öðrum íkveikivöldum. Reykingar bannaðar.

P242 Notið ekki verkfæri sem mynda neista.

P243 Gerið varúðarráðstafanir gegn stöðurafmagni.

P280 Notið hlífðarhanska/ hlífðarfatnað/ augnhlíf/ andlitshlíf.

P403+P235 Geymist á vel-loftræstum stað. Geymist á köldum stað.

P501 Fargið innihaldi/ íláti í samræmi við landsreglugerðir.

2.3. Aðrar hættur

Gufur geta myndað sprengifimar blöndur með lofti. Gufur eru þyngri en loft og geta dreyfst nálægt gólfinu og verðast töluverða vegalengt að neystagjafa og blossa. Product is a static accumulator

KAFLI 3: Samsetning innihaldsefna/upplýsingar um innihaldsefni

3.1. Efni

2-METHOXY-1-METHYLETHYL ACETATE	60-100%
CAS númer: 108-65-6	EB númer: 203-603-9
	REACH skráningarnúmer: 01-2119475791-29-XXXX
Flokkun	
Eldf. vökvi 3 - H226	
2-METHOXYPROPYL ACETATE	<1%
CAS númer: 70657-70-4	EB númer: 274-724-2
Flokkun	
Eldf. vökvi 3 - H226	
Eit. á æxlun. 1B - H360D	
SEM-VES 3 - H335	
1-METHOXY-2-PROPANOL	<0.1%
CAS númer: 107-98-2	EB númer: 203-539-1
	REACH skráningarnúmer: 01-2119457435-35-XXXX
Flokkun	
Eldf. vökvi 3 - H226	
SEM-VES 3 - H336	

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2-METHOXYPROPANOL			<0.1%
CAS númer: 1589-47-5	EB númer: 216-455-5		
Flokkun			
Eldf. vökvi 3 - H226			
Húð ert. 2 - H315			
Augnskað. 1 - H318			
Eit. á æxlun. 1B - H360D			
SEM-VES 3 - H335			
2,6 DI-TERT-BUTYL-P-CRESOL (BHT)			<0.1%
CAS númer: 128-37-0	EB númer: 204-881-4	REACH skráningarnúmer: 01-2119565113-46-XXXX	
M stuðull (bráður) = 1	M stuðull (langvinnur) = 1		
Flokkun			
Bráð eit. á vatn 1 - H400			
Langv. eit. á vatn 1 - H410			

Heildartexti fyrir allar hættusetningar kemur fram í kafla 16.

Heiti vöru	METHYL PROXITOL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
ESB skráarnúmer	607-195-00-7
CAS númer	108-65-6
EB númer	203-603-9

KAFLI 4: Ráðstafanir í skyndihjálpi

4.1. Lýsing á ráðstöfunum í skyndihjálpi

Innöndun	Færið viðkomandi samstundis undir ferskt loft. Leitið læknishjálpar.
Inntaka	Færið viðkomandi undir ferkst loft og haldið hlýjum og í hvíldarstöðu sem þægileg er til öndunar. Hreinsið munninn vel með vatni. Ekki framkalla uppköst. Ef uppköst eiga sér stað, skal halda höfðinu lágt svo ælan nái ekki til lungnanna. Leitið læknishjálpar ef mikið magn hefur verið tekið inn.
Snerting við húð	Fjarlægið mengaðan fatnað samstundis og þvoðið húð með sápu og vatni. Leitið læknishjálpar ef einkenni eru alvarleg eða eru viðvarandi eftir þvott.
Snerting við augu	Skolið samstundis með miklu vatni. Fjarlægið augnlinsur og haldið augnlokunum vel opnum. Haldið áfram að skola í að minnsta kosti 15 mínútur. Leitið tafarlaust læknishjálpar ef einkenni eru til staðar eftir skulun.

4.2. Helstu skaðleg einkenni og áhrif, bæði bráð og tafin

Almennar upplýsingar	Bæling miðtaugakerfisins.
Snerting við húð	Varan hefur fituskerðandi áhrif á húð.
Snerting við augu	Getur valdið tímabundinni ertingu í augum.

4.3. Upplýsingar um tafarlausu læknisumönnun og sérstaka meðferð sem þörf er á

Athugasemdir fyrir lækinn	Meðhöndlið í samræmi við einkenni.
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KAFLI 5: Ráðstafanir vegna slökkviaðgerða

5.1. Slökkvibúnaður

Hentugt slökkviefni	Vatnsúði, þoka eða mistur. Alkahólþolin froða.
Óhentugt slökkviefni	Ekki nota vatnsdælu sem slökkvitæki, þar sem það mun dreifa eldinum.

5.2. Sérstakar hættur af völdum efnisins eða blöndunnar

Sérstök hættu	Þessi vara er mjög eldfim. Gufur eru þyngri en loft og geta dreyfst nálægt gólfinu og verðast töluverða vegalengt að neystagjafa og blossa. Gufur geta myndað sprengifimar blöndur með lofti.
Hættuleg brennanleg efni	Niðurbrot við upphitun eða bruna geta leyst úr læðingi koldíoxíð og kolmónoxíð og aðrar eitradar lofttegundir eða gufur.

5.3. Ráðgjöf fyrir slökkviliðsmenn

Hlíðaraðgerðir við slökkvistörf	Kælið ílát í nánd við hita með vatnsúða og fjarlægjið þau frá eldsvæðinu ef það er hægt án áhættu.
Sérstakur hlífðarbúnaður fyrir slökkviliðsmenn	Notið sjálfstæðan öndunarúnað með yfirprýsting (SÖY) og viðeigandi hlífðarfatnað.

KAFLI 6: Ráðstafanir ef efni fer óvart til spillis eða er losað fyrir slysi

6.1. Öryggisráðstafanir fyrir fólk, hlífðarbúnaður og neyðarráðstafanir

Persónulegar varúðarráðstafanir	Nálgist efnalekann undan vindi. Haldið óþörfu og óvörðu starfsfólki frá efnalekanum. Engin aðgerð skal framkvæmd án viðeigandi þjálfunar eða með því að leggja starfsfólk í hættu. Gerið varúðarráðstafanir gegn stöðurafmagni. Tryggið næga loftun. Engar reykingar, neista, loga eða aðra íkveikjuvalda nálægt lekanum. Notið ekki verkfæri sem mynda neista. Forðist innöndun gufa og snertingu við húð og augu.
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6.2. Varúðarráðstafanir vegna umhverfisins

Umhverfisvarúðarráðstafanir	Leka eða óstýrða losun í vatnsföll verður að tilkynna samstundis til Umhverfisstofnunar eða annarra viðeigandi yfirvalda. Vatn sem notað hefur verið til slökkvunar og rennur í ræsi getur valdið eld- eða sprengihættu.
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6.3. Aðferðir og efni til afmörkunar og hreinsunar

Aðferðir við að þrifa upp	Útilokið alla íkveikjuvalda. Tryggið næga loftun. Sjúgið upp efnalekann með hvarftregu, röku, óbrennanlegu efni. Safnið saman og setjið í viðeigandi losunarlát og lokið tryggilega. Engar reykingar, neista, loga eða aðra íkveikjuvalda nálægt lekanum. Notið sprengiheld rafföng. Notið ekki verkfæri sem mynda neista. Fyrir förgun úrgangs, sjá kafla 13. Jarðtengið/spennujafnið ílát og viðtökubúnað.
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6.4. Tilvísun í aðra liði

Tilvísun í aðra kafla	Fyrir persónulegan hlífðarbúnað, sjá kafla 8. Förgun: Sjáið kafla 13.
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KAFLI 7: Meðhöndlun og geymsla

7.1. Varúðarráðstafanir um örugga meðhöndlun

Varúðarráðstafanir fyrir notkun	Varist snertingu við húð og augu. Haldið frá hita, neistum og opnum eldi. Jarðtengið/spennujafnið ílát og viðtökubúnað. Gufur eru þyngri en loft og geta dreyfst nálægt gólfinu og verðast töluverða vegalengt að neystagjafa og blossa. Gerið varúðarráðstafanir gegn stöðurafmagni. Notið ekki verkfæri sem mynda neista. Notið sprengiheld rafföng.
Ráð um almennt hreinlæti á vinnustað	Neytið ekki matar, drykkjar eða tóbaks við notkun þessarar vöru. Farið úr menguðum fatnaði og hlífðarbúnaði áður en farið er inn í matsal. Þvoið við lok hvekkar vaktar, fyrir matmál, reykingar og salernisferðir.

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7.2. Örugg geymsluskilyrði, þ.m.t. vegna mögulegs ósamrýmanleika.

Varúðarráðstafanir fyrir geymslu Geymið í þétt lokuðu, upprunalegu íláti á vel loftræstum stað. Haldið frá hita, neistum og opnum eldi. Jarðtengið ílát og flutningsbúnað til þess að koma í veg fyrir neysta frá stöðurafragnni.

7.3. Sérstæk endanleg notkun

Sérstök endanleg notkun Skilgreindri notkun fyrir þessa vöru er lýst nákvæmlega í kafla 1.2.

KAFLI 8: Váhrifavarnir/persónuhlífar

8.1. Takmörkunarfæribreytur

Viðmiðunarmörk fyrir váhrif í starfi

2-METHOXY-1-METHYLETHYL ACETATE

Langtíma váhrifamörk(8-klst TWA): 50 ppm 275 mg/m³

Skammtíma váhrifamörk (15-mínútur): 100 ppm 550 mg/m³

H

H = efnið getur auðveldlega borist inn í líkamann gegnum húð

2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

DNEL	Starfsfólk - Innöndun; Langtíma kerfisbundin áhrif: 275 mg/m ³ Starfsfólk - Húð; Langtíma kerfisbundin áhrif: 796 mg/kg/day Neytandi - Innöndun; Langtíma kerfisbundin áhrif: 33 mg/m ³ Neytandi - Húð; Langtíma kerfisbundin áhrif: 320 mg/kg/day Neytandi - Um munn; Langtíma kerfisbundin áhrif: 36 mg/kg/day
PNEC	- Ferskt vatn; 0.635 mg/l - Sjór; 0.0635 mg/l - Ósamfelld losun; 6.35 mg/l - Skólphreinsistöð; 100 mg/l - Botnfall (ferskt vatn); 3.29 mg/kg - Botnfall (sjór); 0.329 mg/kg - Jarðvegur; 0.29 mg/kg

8.2. Váhrifavarnir

Hlíðarbúnaður



Viðeigandi verkfræðilegt eftirlit Þar sem þessi vara inniheldur efni með váhrifsmörk skal nota, framleiðslufylgisjal, staðbundið útsogskerfi eða annað tæknilegt eftirlit til að halda áreiti á starfsmenn undir lögboðnum eða ráðlögðum mörkum, ef notkun leiðir til myndunar ryks, gas, gufa eða misturs. Notið sprengiheld rafföng. Tryggð augnskolstöð og öryggissturtu.

Augn/andlitsvörn

Nota skal öryggisglæraugu í samræmi við samþykka staðla ef áhættumat gefur til kynna að snerting við augu sé möguleg. Nema mat gefi sérstaklega til kynna að þörf sé á meiri vörn, ætti að nota eftirfarandi varnir: Hlíðarglæraugu. Persónulegur hlíðarbúnaður fyrir augu og andlit skal vera í samræmi við evrópustaðal EN166.

Vörn handa

Nota skal efnahelda, vatnshelda hanska í samræmi við samþykka staðla ef áhættumat gefur til kynna að snerting við húð sé möguleg. Velja skal hentugustu hanskana í samráði við birgja/framleiðanda hanskana, sem getur veitt upplýsingar um gegndræpitíma efnisins í hönskunum. Nítríl gúmmí. Valdir hanskar skulu hafa gegndræpitíma að minnsta kosti 8 klst. Þykkt: > 0.35 mm Til þess að verja hendur fyrir efnum skulu hanskar vera í samræmi við evrópustaðal EN374.

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Önnur húð og líkamsvörn	Klæðist brunapólum/eldpólum/eldtefjandi fatnaði. Notið viðegandi hlífðarfatnað til varnar gegn slettum eða mengun.
Hlífðarbúnaður fyrir öndun	Nota verður öndunargrímur ef loftborin mengun fer yfir ráðlögð váhrifsmörk fyrir starfsfólk. Gassía, gerð A2. EN 136/140/141/145/143/149

KAFLI 9: Eðlis- og efnafræðilegir eiginleikar

9.1. Upplýsingar um eðlis- og efnafræðilega grunneiginleika

Útlit	Tær vökvi.
Lykt	Eter.
Lyktarmörk	Engar upplýsingar aðgengilegar.
pH	Engar upplýsingar aðgengilegar.
Bræðslumark	-65°C
Upphafssuðumark og bil	143 - 149°C
Blossamark	45°C
Uppgufunarhraði	0.3 (butýl asetat = 1)
Uppgufunarstuðull	Engar upplýsingar aðgengilegar.
Eldfimi (fast efni, lofttegundir)	Engar upplýsingar aðgengilegar.
Efri/neðri eldfimi eða sprengimörk	Efri eldfimi-/sprengimörk: 7 % Lægri eldfimi-/sprengimörk: 1.5 %
Önnur eldfimi	Engar upplýsingar aðgengilegar.
Gufuprýstingur	502 Pa @ 25°C
Gufupéttni	4.6
Eðlismassi	0.96 - 0.97 @ 20°C
Rúmpyngd	967 kg/m ³
Leysni	198 g/l vatn @ 20°C Leysanlegt í vatni.
Deilistuðull	log Pov: 1.2
Sjálfsíkveikjuhitastig	333°C
Niðurbrotshiti	Engar upplýsingar aðgengilegar.
Seigja	1.23 mPa s @ 20°C
Sprengieiginleikar	Engar upplýsingar aðgengilegar.
Sprengifimt vegna áhrifa loga	Engar upplýsingar aðgengilegar.
Oxunareiginleikar	Engar upplýsingar aðgengilegar.

9.2. Aðrar upplýsingar

Mólmassi	132
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KAFLI 10: Stöðugleiki og hvarfgimi

10.1. Hvarfgimi

Hvarfgimi	Engar upplýsingar aðgengilegar.
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10.2 Efnafræðilegur stöðugleiki

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Stöðugleiki Stöðugt við eðlilegan herbergishita og þegar notað eins og mælt er með.

10.3. Möguleiki á hættulegu efnahvarfi

Möguleiki á hættulegum hvörfum Leysigufur geta myndað sprengifimar blöndur við loft.

10.4. Skilyrði sem ber að varast

Aðstæður sem ber að forðast Forðist hita, loga og aðra íkveikjuvalda. Koma verður í veg fyrir stöðurafmagn og myndun neista.

10.5. Ósamrýmanleg efni

Efni sem skal forðast Sterk oxandi efni.

10.6. Hættuleg niðurbrotsefni

Hættuleg niðurbrotsefni Niðurbrot við upphitun eða bruna geta leyst úr læðingi koldíoxíð og kolmónoxíð og aðrar eitraðar lofttegundir eða gufur.

KAFLI 11: Eiturefnafræðilegar upplýsingar

11.1. Upplýsingar um eiturefnafræðileg áhrif

Bráð eitrun - um munn

Athugasemdir (um munn LD₅₀) LD₅₀ > 5000 mg/kg, Um munn,

Bráð eitrun - um húð

Athugasemdir (húð LD₅₀) LD₅₀ > 5000 mg/kg, Húð,

Bráð eitrun - við innöndun

Athugasemdir (innöndun LC₅₀) Byggt á tiltækum gögnum eru skilyrði flokkunar ekki uppfyllt.

Æting/erting húðar

Æting/erting húðar Ekki ertandi.

Alvarlegur augnskaði / erting

Alvarlegur augnskaði/erting Lítillega ertandi.

Næming húðar

Næming húðar Ekki næmandi.

Stökkbreytandi áhrif á kímfrumur

Erfðaeiturhrif - í tilraunaglassi Byggt á tiltækum gögnum eru skilyrði flokkunar ekki uppfyllt.

Krabbameinsvaldandi áhrif

Krabbameinsvaldandi áhrif Byggt á tiltækum gögnum eru skilyrði flokkunar ekki uppfyllt.

Eiturhrif á æxlun

Eitrunaráhrif á æxlun - frjósemi Byggt á tiltækum gögnum eru skilyrði flokkunar ekki uppfyllt.

Sértæk eiturhrif á marklíffæri - stök váhrif

STOT-stök váhrif Byggt á tiltækum gögnum eru skilyrði flokkunar ekki uppfyllt.

Sértæk eiturhrif á marklíffæri - endurtekin váhrif

STOT-endurtekin váhrif Byggt á tiltækum gögnum eru skilyrði flokkunar ekki uppfyllt.

Ásvelgingshætta

Ásvelgingshætta Engar upplýsingar aðgengilegar.

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Almennar upplýsingar	Bæling miðtaugakerfisins.
Innöndun	Gas eða gufa í háum styrk getur ert öndunarveg.
Inntaka	Getur valdið óþægindum ef innbirgt.
Snerting við húð	Langvarandi snerting getur valdið húðþurrki.
Snerting við augu	Getur valdið tímabundinni ertingu í augum.

KAFLI 12: Vistfræðilegar upplýsingar

Visteitiráhrif Efnisþættirnir eru ekki flokkaðir sem hættulegir umhverfinu. Hins vegar útilokar það ekki þann möguleika að miklir eða tíðir leikar geti haft skaðleg eða skemmandi áhrif á umhverfið.

12.1 Eiturhrif

Bráð eiturhrif í vatni

Bráðu eitrun - fiskur LC₅₀, 96 hours: > 100 mg/l,

Bráð eitrun - hryggleysingjar EC₅₀, 48 hours: > 100 mg/l,

Bráð eitrun - vatnablöndur EC₅₀, 72 klukkutímar: > 100 mg/l,

Langvarandi eiturhrif í vatni

Langvinn eitrun - fiskur, fyrstu stig lífsferils NOEC (Styrkur sem hefur engin merkjanleg áhrif), : > 10 - < 100 mg/l,

Langvinn eitrun - hryggleysingjar NOEC (Styrkur sem hefur engin merkjanleg áhrif), : > 100 mg/l,

12.2. Þrávirkni og niðurbrotanleiki

Þrávirkni og niðurbrot Varan er auðlífbrotanleg.

12.3. Uppsöfnun í líffverum

Möguleiki á uppsöfnun í líffverum Uppsöfnun í náttúrunni ólíkleg.

Deilistuðull log Pov: 1.2

12.4. Hreyfanleiki í jarðvegi

Hreyfanleiki Varan er vatnsleysanleg og getur breiðst út í vatnakerfum.

12.5. Niðurstöður úr mati á PBT- og vPvB-eigineikum.

Niðurstöður PBT og vPvB mats Þetta efni er ekki flokkað þrávirkt, safnast upp í náttúrunni og eitrað (PBT) né mjög þrávirkt og safnast upp í náttúrunni í miklum mæli (vPvB) samkvæmt núverandi ESB viðmiðum.

12.6. Önnur skaðleg áhrif

Önnur skaðleg áhrif No information available.

KAFLI 13: Förgun

13.1. Aðferðir við meðhöndlun úrgangs

Almennar upplýsingar Úrgangur er flokkaður sem hættulegur úrgangur. Gerið ekki gat á né kveikið í, jafnvel þó tomt.

Losunaraðferðir Losið úrgang til leyfisskilds urðunaraðlia í samræmi við kröfur svæðisbundinna yfirvalda.

KAFLI 14: Upplýsingar um flutninga

14.1. UN-númer

UN nr. (ADR/RID) 3272

METHYL PROXITOL ACETATE

UN nr. (IMDG)	3272
UN nr. (ICAO)	3272
UN nr. (ADN)	3272

14.2. Rétt UN-sendingarheiti

Rétt heiti (ADR/RID)	ESTERS, N.O.S. (CONTAINS 2-METHOXY-1-METHYLETHYL ACETATE, 2-METHOXYPROPYL ACETATE)
Rétt heiti (IMDG)	ESTERS, N.O.S. (CONTAINS 2-METHOXY-1-METHYLETHYL ACETATE, 2-METHOXYPROPYL ACETATE)
Rétt heiti (ICAO)	ESTERS, N.O.S. (CONTAINS 2-METHOXY-1-METHYLETHYL ACETATE, 2-METHOXYPROPYL ACETATE)
Rétt heiti (ADN)	ESTERS, N.O.S. (CONTAINS 2-METHOXY-1-METHYLETHYL ACETATE, 2-METHOXYPROPYL ACETATE)

14.3. Hættuflokkur eða -flokkar vegna flutninga

ADR/RID flokkur	3
ADR/RID flokkunarkóði	F1
ADR/RID merking	3
IMDG flokkur	3
ICAO flokkun/skipting	3
ADN flokkur	3

Flutningsmerkingar**14.4 Pökkunarflokkur**

ADR/RID pökkunarhópur	III
IMDG pökkunarflokkur	III
ADN pökkun	III
ICAO pökkunarflokkur	III

14.5. Umhverfishættur

Efni hættulegt umhverfinu / mengar sjó
Nei.

14.6. Sérstakar varúðarráðstafanir fyrir notanda

EMS - skilaboðapjónusta	F-E, S-D
ADR flutningsflokkur	3
Neyðarkóði	•3Y
Hættuflokkanúmer (ADR/RID)	30
Takmörkunarkóði fyrir göng	(D/E)

14.7. Flutningar búlkafarms skv. II. viðauka við MARPOL-samninginn frá '73/78 og IBC kóðanum.

METHYL PROXITOL ACETATE

Flutningar í búlk samkvæmt viðauka II af MARPOL 73/78 og IBC kóðanum Á ekki við.

KAFLI 15: Upplýsingar varðandi regluverk

15.1. Sértek ákvæði/löggjöf fyrir efnið eða blönduna vegna öryggis, heilbrigðis og umhverfis

ESB löggjöf

Reglugerð (EB) nr. 1907/2006 Evrópuþingsins og Ráðsins frá 18. desember 2006 um skráningu, mat, leyfisveitingu og takmarkanir á efnum (REACH) (með áorðnum breytingum).
Reglugerð (EB) nr. 1272/2008 Evrópuþingsins og Ráðsins frá 16. desember 2008 um flokkun, merkingu og umbúðir efna og blanda (með áorðnum breytingum).
Reglugerð Framkvæmdastjórnarinnar (EB) nr. 2015/830 frá 28 maí 2015.
Þessi vara getur haft áhrif Seveso reglugerðir geymsla.

15.2. Efnaöryggismat

Birgðir

Kanada (DSL/NDSL)

Öll innihaldsefnin eru á lista eða eru undanþegin.
DSL

US (TSCA)

Öll innihaldsefnin eru á lista eða eru undanþegin.

Ástralía (AICS)

Öll innihaldsefnin eru á lista eða eru undanþegin.

Japan (MITI)

Öll innihaldsefnin eru á lista eða eru undanþegin.

Kórea (KECI)

Öll innihaldsefnin eru á lista eða eru undanþegin.

Kína (IECSC)

Öll innihaldsefnin eru á lista eða eru undanþegin.

Filipseyjar (PICCS)

Öll innihaldsefnin eru á lista eða eru undanþegin.

Nýja Sjáland (NZIOC)

Öll innihaldsefnin eru á lista eða eru undanþegin.

KAFLI 16: Aðrar upplýsingar

METHYL PROXITOL ACETATE

Styttingar og skammstafanir sem eru notaðar í öryggisblaðinu

ATE: Matsgildi bráðra eiturhrifa.
 ADR: Evrópusamningur um millilandaflutninga á hættulegum farmi á vegum
 ADN: Evrópusamningur um millilandaflutninga á hættulegum farmi á landi og skipgengum vatnaleiðum.
 CAS: Upplýsingaþjónusta um iðefni.
 DNEL: Afleidd áhrifaleysismörk.
 IATA: Alþjóðasamband flugfélaga.
 IMDG: Alþjóðlegur kóði um siglingu með hættulegan varning.
 Kow: Oktanól-vatn deilistuðull.
 LC50: Styrkur sem veldur dauða 50% tilraunadýra.
 LD50: Skammtur sem veldur dauða 50% tilraunadýra (miðgildisbanaskammtur).
 PBT: Þrávirk efni sem safnast fyrir í lífverum og eru eitruð.
 PNEC: Styrkur þar sem engin áhrif eru fyrir sjáanleg.
 REACH: Reglugerð um skráningu, mat, leyfisveitingu og takmarkanir á kemískum efnum (EB) nr. 1907/2006
 RID: Reglur um millilandaflutninga á hættulegum farmi með járnbrautum.
 vPvB: Mjög þrávirk efni sem safnast fyrir í lífverum í miklum mæli.
 IARC: Alþjóðakrabbameinsrannsóknastofnunin.
 MARPOL 73/78: Alþjóðasamningur um varnir gegn mengun frá skipum, 1973, með breytingum samvæmt bókun frá 1978.
 cATpE: Umreiknað matsgildi bráðra eiturhrifa.
 BCF: Lífpéttistuðull.
 BOD: Lífræn súrefnisþörf.
 EC₅₀: 50% af hámarks hrifstyrk.
 LOAEC: Lægsti styrkur sem sýnir merkjanleg skaðleg áhrif.
 LOAEL: Lægstu mörk um merkjanleg skaðleg áhrif.
 NOAEC: Styrkleikamörk um engin merkjanleg, skaðleg áhrif.
 NOAEL: Mörk um engin merkjanleg, skaðleg áhrif.
 NOEC: Styrkur sem hefur engin merkjanleg áhrif
 LOEC: Minnsti styrkur sem hefur merkjanleg áhrif
 DMEL: Afleidd mörk um lágmarks áhrif.
 EI50: váhrif 50
 hPa: Hektopaskal
 LL50: Lethal Loading fimmtíu
 OECD: Efnahags- og framfarastofnunin
 POW: OC Talk OL-vatn fasti
 SCBA: sjálf-öndunarbúnað
 STP Skólphreinsunarstöð
 VOC: rokjarnra lífrænna efnasambanda

Flokkunarskammstafanir og upphafsstafaorð

Bráð eit. = Bráð eitrun
 Bráð eit. á vatn = Bráð eitrun á vatnaumhverfi
 Langv. eit. á vatn = Langvinn eitrun á vatnaumhverfi

Helstu fræðilegar heimildir og uppruni gagna

Upplýsingar dreifingaraðila.

Athugasemdir við endurskoðun

Þetta er fyrsta útgáfa.

Dagsetning endurskoðunar

4.1.2018

Útgáfunúmer

2.000

Yfirtökudagsetning

19.5.2017

SDS númer

51555

METHYL PROXITOL ACETATE

SDS staða

Samþykkt.

Hættusetningar í fullri lengd

H226 Eldfímur vökvi og gufa.
H315 Veldur húðertingu
H318 Veldur alvarlegum augnskaða.
H335 Getur valdið ertingu í öndunarfærum.
H336 Getur valdið sljóleika eða svima.
H360D Getur haft skaðleg áhrif á börn í móðurkviði.
H400 Mjög eitrað lífi í vatni.
H410 Mjög eitrað lífi í vatni, hefur langvinn áhrif.

Undirskrift

J Spenceley



Exposure scenario Manufacture of substance

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Manufacture of substance
Process scope	Manufacture of the substance or use as a process chemical or extraction agent. Includes recycling/recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and bulk container), sampling and associated laboratory activities.
Main sector	SU3 Industrial uses
<u>Environment</u>	
Environmental release category	ERC1 Manufacture of substances.
<u>Worker</u>	
Process category	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. 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. PROC15 Use as laboratory reagent.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
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Manufacture of substance

Concentration details Nær yfir styrkleika allt að 100 %.

Amounts used

Maximum daily site tonnage: 288000 kg

Frequency and duration of use

Emission days: 300 days/year

Environmental factors not influenced by risk management measures

Dilution Local freshwater dilution factor: 19709 (Measured)

Risk management measures

Good practice Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.

Technical onsite conditions and measures to reduce or limit discharges to air, water and soil

Air Use vapour recovery units when necessary.

Conditions and measures related to external treatment of waste for disposal

Waste treatment Aerobic biological treatment

Disposal method Contain and dispose of waste according to local regulations.

2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state Liquid

Concentration details Nær yfir styrkleika allt að 100 %.

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Setting Indoor use.

Temperature Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Technical conditions and measures at process level (source) to prevent release

Technical protective measures Control any potential exposure using measures such as contained or enclosed systems, properly designed and maintained facilities and a good standard of general ventilation. Drain down systems and clear transfer lines prior to breaking containment. Drain down and flush equipment where possible prior to maintenance. Where there is potential for exposure: Ensure relevant staff are informed of the nature of exposure and aware of basic actions to minimise exposures; Ensure suitable personal protective equipment is available; Clear up spills and dispose of waste in accordance with regulatory requirements; monitor effectiveness of control measures; consider the need for health surveillance; identify and implement corrective actions.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Manufacture of substance

Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent/minimise exposures and to report any skin problems that may develop.

3. Exposure estimation (Environment 1)

Assessment method

EUSES v2.1

Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method

The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted.

4. Guidance to check compliance with the exposure scenario (Health 1)

Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario

Use as a process solvent

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Use as a process solvent
Process scope	Manufacture of the substance or use as a process chemical or extraction agent. Includes recycling/recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and bulk container), sampling and associated laboratory activities.
Main sector	SU3 Industrial uses
<u>Environment</u>	
Environmental release category	ERC4 Industrial use of processing aids in processes and products, not becoming part of articles.
SPERC	ESVOC SpERC 4.21a.v1
<u>Worker</u>	
Process category	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. 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. PROC15 Use as laboratory reagent.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Use as a process solvent

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.
<u>Amounts used</u>	
	Maximum daily site tonnage: 2200 kg
<u>Frequency and duration of use</u>	
	Emission days: 300 days/year
<u>Risk management measures</u>	
Good practice	Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.
<u>Technical onsite conditions and measures to reduce or limit discharges to air, water and soil</u>	
Air	Use vapour recovery units when necessary.
<u>Conditions and measures related to external treatment of waste for disposal</u>	
Waste treatment	Aerobic biological treatment
Disposal method	Contain and dispose of waste according to local regulations.

2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Setting	Indoor use.
Temperature	Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Technical conditions and measures at process level (source) to prevent release

Technical protective measures Control any potential exposure using measures such as contained or enclosed systems, properly designed and maintained facilities and a good standard of general ventilation. Drain down systems and clear transfer lines prior to breaking containment. Drain down and flush equipment where possible prior to maintenance. Where there is potential for exposure: Ensure relevant staff are informed of the nature of exposure and aware of basic actions to minimise exposures; Ensure suitable personal protective equipment is available; Clear up spills and dispose of waste in accordance with regulatory requirements; monitor effectiveness of control measures; consider the need for health surveillance; identify and implement corrective actions.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent/minimise exposures and to report any skin problems that may develop.

Use as a process solvent

3. Exposure estimation (Environment 1)

Assessment method EUSES v2.1

Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted.

4. Guidance to check compliance with the exposure scenario (Health 1)

Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario

Formulation and (re)packing of substances and mixtures

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Formulation and (re)packing of substances and mixtures
Process scope	Formulation, packing and re-packing of the substance and its mixtures in batch or continuous operations, including storage, materials transfers, mixing, tableting, compression, pelletisation, extrusion, large and small scale packing, sampling, maintenance and associated laboratory activities.
Main sector	SU3 Industrial uses
<u>Environment</u>	
Environmental release category	ERC2 Formulation of preparations.
SPERC	CEPE SPERC 2.1b.v1
<u>Worker</u>	

Formulation and (re)packing of substances and mixtures

Process category	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).
	PROC14 Production of preparations or articles by tableting, compression, extrusion, pelletisation.
	PROC15 Use as laboratory reagent.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Daily amount per site: 2100 kg

Frequency and duration of use

Emission days: 225 days/year

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100
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Risk management measures

Good practice	Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.
STP details	Estimated substance removal from wastewater via domestic sewage treatment: 87.3% Total efficiency of removal from wastewater after onsite and offsite (domestic treatment plant) RMMS: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method	Contain and dispose of waste according to local regulations.
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Conditions and measures related to external recovery of waste

Recovery method	Use vapour recovery units when necessary.
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2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Formulation and (re)packing of substances and mixtures

Other given operational conditions affecting workers exposure

Setting	Indoor use.
Temperature	Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Technical conditions and measures at process level (source) to prevent release

Technical protective measures	Control any potential exposure using measures such as contained or enclosed systems, properly designed and maintained facilities and a good standard of general ventilation. Drain down systems and clear transfer lines prior to breaking containment. Drain down and flush equipment where possible prior to maintenance. Where there is potential for exposure: Ensure relevant staff are informed of the nature of exposure and aware of basic actions to minimise exposures; Ensure suitable personal protective equipment is available; Clear up spills and dispose of waste in accordance with regulatory requirements; monitor effectiveness of control measures; consider the need for health surveillance; identify and implement corrective actions.
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Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures	Assumes a good basic standard of occupational hygiene is implemented.
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Risk management measures

Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent/minimise exposures and to report any skin problems that may develop. Provide a good standard of general ventilation (not less than 3 to 5 air changes per hour).

3. Exposure estimation (Environment 1)

Assessment method	EUSES v2.1
	Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method	The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated
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4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Industrial use in coatings(solvent based; general)

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Industrial use in coatings(solvent based; general)
Process scope	Covers the use in coatings (paints, inks, adhesives, etc.), including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar methods and film formation) and equipment cleaning, maintenance and associated laboratory activities.
Main sector	SU3 Industrial uses
<u>Environment</u>	
Environmental release category	ERC4 Industrial use of processing aids in processes and products, not becoming part of articles.
<u>Worker</u>	

Industrial use in coatings(solvent based; general)

Process category	<p>PROC1 Use in closed process, no likelihood of exposure.</p> <p>PROC2 Use in closed, continuous process with occasional controlled exposure.</p> <p>PROC3 Use in closed batch process (synthesis or formulation).</p> <p>PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises.</p> <p>PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact).</p> <p>PROC7 Spraying in industrial settings and applications.</p> <p>PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities.</p> <p>PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities.</p> <p>PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing).</p> <p>PROC10 Roller application or brushing of adhesive and other coating.</p> <p>PROC13 Treatment of articles by dipping and pouring.</p> <p>PROC14 Production of preparations or articles by tableting, compression, extrusion, pelletisation.</p> <p>PROC15 Use as laboratory reagent.</p>
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2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Maximum daily site tonnage: 36000 kg

Frequency and duration of use

Emission days: 300 days/year

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100
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Risk management measures

Good practice	Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.
STP details	Estimated substance removal from wastewater via domestic sewage treatment: 87.3% Total efficiency of removal from wastewater after onsite and offsite (domestic treatment plant) RMMS: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method	Contain and dispose of waste according to local regulations.
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Conditions and measures related to external recovery of waste

Recovery method	Use vapour recovery units when necessary.
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2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Industrial use in coatings(solvent based; general)

Amounts used

Not relevant.

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Setting Indoor use.

Temperature Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Carry out in a vented booth or extracted enclosure.

Wear a respirator conforming to EN140 with Type A/P2 filter or better.

3. Exposure estimation (Environment 1)

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Professional use in coatings(solvent based)

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Professional use in coatings(solvent based)
Process scope	Covers the use in coatings (paints, inks, adhesives, etc.), including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar methods and film formation) and equipment cleaning, maintenance and associated laboratory activities.
Main sector	SU22 Professional uses
<u>Environment</u>	
Environmental release category	ERC8a Wide dispersive indoor use of processing aids in open systems. ERC8d Wide dispersive outdoor use of processing aids in open systems.
SPERC	ESVOC SpERC 8.3b.v1
<u>Worker</u>	

Professional use in coatings(solvent based)

Process category

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.
 PROC10 Roller application or brushing of adhesive and other coating.
 PROC11 Spraying outside industrial settings and/or applications.
 PROC13 Treatment of articles by dipping and pouring.
 PROC15 Use as laboratory reagent.
 PROC19 Hand-mixing with intimate contact and only PPE available.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state Liquid
 Concentration details Nær yfir styrkleika allt að 100 %.

Amounts used

Maximum daily site tonnage: 5000 kg

Frequency and duration of use

Emission days: 365 days/year

Environmental factors not influenced by risk management measures

Dilution Local freshwater dilution factor: 10
 Local marine water dilution factor: 100

Risk management measures

Good practice Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.
 STP details Estimated substance removal from wastewater via domestic sewage treatment: 87.3%
 Total efficiency of removal from wastewater after onsite and offsite (domestic treatment plant) RMMS: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method Contain and dispose of waste according to local regulations.

Conditions and measures related to external recovery of waste

Recovery method Use vapour recovery units when necessary.

2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state Liquid
 Concentration details Nær yfir styrkleika allt að 100 %.

Amounts used

Not relevant.

Professional use in coatings(solvent based)

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Temperature Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Carry out in a vented booth or extracted enclosure.

Wear a respirator conforming to EN140 with Type A/P2 filter or better.

3. Exposure estimation (Environment 1)

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Industrial use in cleaning agents

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Industrial use in cleaning agents
Process scope	Covers the use as a component of cleaning products, including transfer from storage, pouring/unloading from drums or containers and exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping, automated and by hand), related equipment cleaning and maintenance.
Main sector	SU3 Industrial uses
<u>Environment</u>	
Environmental release category	ERC4 Industrial use of processing aids in processes and products, not becoming part of articles.
SPERC	ESVOC SpERC 4.4a.v1
<u>Worker</u>	
Process category	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. PROC7 Spraying in industrial settings and applications. 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. PROC10 Roller application or brushing of adhesive and other coating. PROC13 Treatment of articles by dipping and pouring.

Industrial use in cleaning agents

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Maximum daily site tonnage: 5000 kg

Frequency and duration of use

Emission days: 20 days/year

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100
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Risk management measures

Good practice	Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.
STP details	Estimated substance removal from wastewater via domestic sewage treatment: 87.3% Total efficiency of removal from wastewater after onsite and offsite (domestic treatment plant) RMMs: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method	Contain and dispose of waste according to local regulations.
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Conditions and measures related to external recovery of waste

Recovery method	Use vapour recovery units when necessary.
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2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Not relevant.

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Temperature	Assumes use at not more than 20°C above ambient temperature, unless stated differently.
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Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures	Assumes a good basic standard of occupational hygiene is implemented.
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Risk management measures

Provide a good standard of general ventilation (not less than 3 to 5 air changes per hour).
Avoid carrying out activities involving exposure for more than 4 hours.
Wear suitable gloves tested to EN374.

3. Exposure estimation (Environment 1)

Industrial use in cleaning agents

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method	The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated
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4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Professional use in cleaning agents

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Professional use in cleaning agents
Process scope	Covers the use as a component of cleaning products, including pouring/unloading from drums or containers and exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping, automated and by hand).
Main sector	SU22 Professional uses
<u>Environment</u>	
Environmental release category	ERC8a Wide dispersive indoor use of processing aids in open systems. ERC8d Wide dispersive outdoor use of processing aids in open systems.
SPERC	ESVOC SpERC 8.4b.v1
<u>Worker</u>	
Process category	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. 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. PROC10 Roller application or brushing of adhesive and other coating. PROC11 Spraying outside industrial settings and/or applications. PROC13 Treatment of articles by dipping and pouring.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Professional use in cleaning agents

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Maximum daily site tonnage: 5000 kg

Frequency and duration of use

Emission days: 365 days/year

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100
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Risk management measures

Good practice	Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.
STP details	Estimated substance removal from wastewater via domestic sewage treatment: 87.3% Total efficiency of removal from wastewater after onsite and offsite (domestic treatment plant) RMMs: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method	Contain and dispose of waste according to local regulations.
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Conditions and measures related to external recovery of waste

Recovery method	Use vapour recovery units when necessary.
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2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Not relevant.

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Temperature	Assumes use at not more than 20°C above ambient temperature, unless stated differently.
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Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures	Assumes a good basic standard of occupational hygiene is implemented.
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Risk management measures

Provide a good standard of controlled ventilation (10 to 15 air changes per hour).
Limit the substance content in the product to 25%.
Wear suitable gloves tested to EN374.

3. Exposure estimation (Environment 1)

Professional use in cleaning agents

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method

The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Professional use in Agrochemicals

Identification

Product name 1-METHOXY-2-PROPYL ACETATE

REACH skráningarnúmer 01-2119475791-29-XXXX

CAS númer 108-65-6

EB númer 203-603-9

ESB skráarnúmer 607-195-00-7

Birgi Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
sds@univar.com

1. Title of exposure scenario

Main title Professional use in Agrochemicals

Process scope Use as an agrochemical excipient for application by manual or machine spraying, smokes and fogging, including equipment clean-downs and disposal.

Main sector SU22 Professional uses

Environment

Environmental release category ERC8a Wide dispersive indoor use of processing aids in open systems.
ERC8d Wide dispersive outdoor use of processing aids in open systems.

SPERC ECPA SPERC 8d.2.v1

Worker

Process category PROC1 Use in closed process, no likelihood of exposure.
PROC2 Use in closed, continuous process with occasional controlled exposure.
PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises.
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.
PROC11 Spraying outside industrial settings and/or applications.
PROC15 Use as laboratory reagent.

2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state Liquid

Professional use in Agrochemicals

Concentration details Nær yfir styrkleika allt að 25 %.

Amounts used

Daily amount per site: 410 kg

Frequency and duration of use

Emission days: 365 days/year

Environmental factors not influenced by risk management measures

Dilution Local freshwater dilution factor: 10
Local marine water dilution factor: 100

Conditions and measures related to external recovery of waste

Recovery method Use vapour recovery units when necessary.

2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state Liquid

Concentration details Nær yfir styrkleika allt að 25 %.

Amounts used

Not relevant.

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Temperature Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Ensure operation is undertaken outdoors.
Wear suitable gloves tested to EN374.

3. Exposure estimation (Environment 1)

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

4. Guidance to check compliance with the exposure scenario (Health 1)

Professional use in Agrochemicals

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Industrial use in coil coatings

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Industrial use in coil coatings
Process scope	Covers the use in coatings (paints, inks, adhesives, etc.), including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar methods and film formation) and equipment cleaning, maintenance and associated laboratory activities.
Main sector	SU3 Industrial uses
<u>Environment</u>	
Environmental release category	ERC4 Industrial use of processing aids in processes and products, not becoming part of articles.
<u>Worker</u>	

Industrial use in coil coatings

Process category	<p>PROC1 Use in closed process, no likelihood of exposure.</p> <p>PROC2 Use in closed, continuous process with occasional controlled exposure.</p> <p>PROC3 Use in closed batch process (synthesis or formulation).</p> <p>PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises.</p> <p>PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact).</p> <p>PROC7 Spraying in industrial settings and applications.</p> <p>PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities.</p> <p>PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities.</p> <p>PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing).</p> <p>PROC10 Roller application or brushing of adhesive and other coating.</p> <p>PROC13 Treatment of articles by dipping and pouring.</p> <p>PROC15 Use as laboratory reagent.</p>
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2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Maximum daily site tonnage: 5400 kg

Frequency and duration of use

Emission days: 220 days/year

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100
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Risk management measures

Good practice	Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.
STP details	Estimated substance removal from wastewater via domestic sewage treatment: 87.3% Total efficiency of removal from wastewater after onsite and offsite (domestic treatment plant) RMMS: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method	Contain and dispose of waste according to local regulations.
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Conditions and measures related to external recovery of waste

Recovery method	Use vapour recovery units when necessary.
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2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Not relevant.

Industrial use in coil coatings

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Setting Indoor use.

Temperature Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Carry out in a vented booth or extracted enclosure.

Wear a respirator conforming to EN140 with Type A/P2 filter or better.

3. Exposure estimation (Environment 1)

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Industrial use in coatings(solvent based; general)

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Industrial use in coatings(solvent based; general)
Process scope	Covers the use in coatings (paints, inks, adhesives, etc.), including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar methods and film formation) and equipment cleaning, maintenance and associated laboratory activities.
Main sector	SU3 Industrial uses
<u>Environment</u>	
Environmental release category	ERC4 Industrial use of processing aids in processes and products, not becoming part of articles.
<u>Worker</u>	

Industrial use in coatings(solvent based; general)

Process category	<p>PROC1 Use in closed process, no likelihood of exposure.</p> <p>PROC2 Use in closed, continuous process with occasional controlled exposure.</p> <p>PROC3 Use in closed batch process (synthesis or formulation).</p> <p>PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises.</p> <p>PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact).</p> <p>PROC7 Spraying in industrial settings and applications.</p> <p>PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities.</p> <p>PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities.</p> <p>PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing).</p> <p>PROC10 Roller application or brushing of adhesive and other coating.</p> <p>PROC13 Treatment of articles by dipping and pouring.</p> <p>PROC15 Use as laboratory reagent.</p>
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2. Conditions of use affecting exposure (Industrial - Environment 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Maximum daily site tonnage: 1100 kg

Frequency and duration of use

Emission days: 300 days/year

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100
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Risk management measures

Good practice	Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.
STP details	Estimated substance removal from wastewater via domestic sewage treatment: 87.3% Total efficiency of removal from wastewater after onsite and offsite (domestic treatment plant) RMMS: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method	Contain and dispose of waste according to local regulations.
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Conditions and measures related to external recovery of waste

Recovery method	Use vapour recovery units when necessary.
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2. Conditions of use affecting exposure (Workers - Health 1)

Product characteristics

Physical state	Liquid
Concentration details	Nær yfir styrkleika allt að 100 %.

Amounts used

Not relevant.

Industrial use in coatings(solvent based; general)

Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently).

Other given operational conditions affecting workers exposure

Setting Indoor use.

Temperature Assumes use at not more than 20°C above ambient temperature, unless stated differently.

Organisational measures to prevent/limit releases, dispersion and exposure

Organisational measures Assumes a good basic standard of occupational hygiene is implemented.

Risk management measures

Carry out in a vented booth or extracted enclosure.

Wear a respirator conforming to EN140 with Type A/P2 filter or better.

3. Exposure estimation (Environment 1)

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated

4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Consumer use in coatings

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Consumer use in coatings
Process scope	Covers the use in coatings (paints, inks, adhesives, etc.), including exposures during use (including product transfer and preparation, application by brush, spray by hand or similar methods) and equipment cleaning.
Product category	PC9a Coatings and paints, thinners, paint removers. PC18 Ink and toners.
Main sector	SU21 Consumer uses
<u>Environment</u>	
Environmental release category	ERC8a Wide dispersive indoor use of processing aids in open systems. ERC8d Wide dispersive outdoor use of processing aids in open systems.
SPERC	ESVOC SpERC 8.3b.v1

2. Conditions of use affecting exposure (Non-industrial - Environment 1)

Product characteristics

Physical state Liquid

Frequency and duration of use

Emission days: 365 days/year

Environmental factors not influenced by risk management measures

Dilution Local freshwater dilution factor: 10
Local marine water dilution factor: 100

Consumer use in coatings

Risk management measures

STP type	Municipal STP.
STP details	Estimated substance removal from wastewater via domestic sewage treatment: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method	Contain and dispose of waste according to local regulations.
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2. Conditions of use affecting exposure (Non-industrial - Health 1)

Product characteristics

Physical state	Volatile Liquid
Concentration details	PC9a Coatings and paints, thinners, paint removers. Concentration of substance in product: 10% PC18 Ink and toners. Concentration of substance in product: 45%

Amounts used

PC9a Coatings and paints, thinners, paint removers.
Amount per use: 1000 g
PC18 Ink and toners.
Amount per use: 40 g

Frequency and duration of use

PC9a Coatings and paints, thinners, paint removers.
Covers daily exposure up to 2.2klukkutímar
PC18 Ink and toners.
Covers frequency up to 0.5 hours/day, 1 days/year, .

Other given operational conditions affecting Non-industrial exposure

Temperature	Assumes activities are at room temperature.
Room size	20 m ³
Ventilation rate	Covers use under typical household ventilation. Unless otherwise stated. PC9a Coatings and paints, thinners, paint removers. Open windows during application to ensure natural ventilation.

Other given operational conditions affecting Non-industrial exposure

No specific risk management measure identified beyond those operational conditions stated.

3. Exposure estimation (Environment 1)

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method	The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated
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Consumer use in coatings

4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Consumer use in cleaning products

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Consumer use in cleaning products
Process scope	Consumer use of washing and cleaning products
Product category	PC35 Washing and cleaning products (including solvent-based products).
Main sector	SU21 Consumer uses
<u>Environment</u>	
Environmental release category	ERC8a Wide dispersive indoor use of processing aids in open systems. ERC8d Wide dispersive outdoor use of processing aids in open systems.
SPERC	ESVOC SpERC 8.4b.v1

2. Conditions of use affecting exposure (Non-industrial - Environment 1)

Product characteristics

Physical state	Liquid
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Amounts used

Daily amount per site: 0.27 kg

Frequency and duration of use

Emission days: 365 days/year

Environmental factors not influenced by risk management measures

Dilution	Local freshwater dilution factor: 10 Local marine water dilution factor: 100
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Consumer use in cleaning products

Risk management measures

STP type	Municipal STP.
STP details	Estimated substance removal from wastewater via domestic sewage treatment: 87.3%

Conditions and measures related to external treatment of waste for disposal

Disposal method	Contain and dispose of waste according to local regulations.
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2. Conditions of use affecting exposure (Non-industrial - Health 1)

Product characteristics

Physical state	Volatile Liquid
Concentration details	Nær yfir styrkleika allt að 10 %.

Amounts used

Amount per use: 16 g

Frequency and duration of use

Covers frequency up to 1 hours/day, 365 days/year, .

Other given operational conditions affecting Non-industrial exposure

Temperature	Assumes activities are at room temperature.
Room size	15 m ³
Ventilation rate	Covers use under typical household ventilation. Unless otherwise stated.

Other given operational conditions affecting Non-industrial exposure

No specific risk management measure identified beyond those operational conditions stated.

3. Exposure estimation (Environment 1)

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method	The Consexpo model has been used to estimate consumer exposures, unless otherwise indicated. Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.
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4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.



Exposure scenario Consumer use in Agrochemicals

Identification

Product name	1-METHOXY-2-PROPYL ACETATE
REACH skráningarnúmer	01-2119475791-29-XXXX
CAS númer	108-65-6
EB númer	203-603-9
ESB skráarnúmer	607-195-00-7
Birgi	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univar.com

1. Title of exposure scenario

Main title	Consumer use in Agrochemicals
Process scope	Use as an agrochemical excipient for application by manual or machine spraying, smokes and fogging, including equipment clean-downs and disposal.
Product category	PC27 Plant protection products.
Main sector	SU21 Consumer uses
<u>Environment</u>	
Environmental release category	ERC8a Wide dispersive indoor use of processing aids in open systems. ERC8d Wide dispersive outdoor use of processing aids in open systems.
SPERC	ECPA SPERC 8d.2.v1

2. Conditions of use affecting exposure (Non-industrial - Environment 1)

Product characteristics

Physical state Liquid

Amounts used

Daily amount per site: 410 kg

Frequency and duration of use

Emission days: 365 days/year

Environmental factors not influenced by risk management measures

Dilution Local freshwater dilution factor: 10
Local marine water dilution factor: 100

Consumer use in Agrochemicals

Conditions and measures related to external treatment of waste for disposal

Disposal method Contain and dispose of waste according to local regulations.

2. Conditions of use affecting exposure (Non-industrial - Health 1)

Product characteristics

Physical state Volatile Liquid

Concentration details Nær yfir styrkleika allt að 70 %.

Amounts used

Amount per use: 137 g

Frequency and duration of use

Covers frequency up to 0.1 hours/day, 365 days/year, .

Other given operational conditions affecting Non-industrial exposure

Temperature Assumes activities are at room temperature.

Room size 20 m³

Ventilation rate Covers use under typical household ventilation. Unless otherwise stated.

Other given operational conditions affecting Non-industrial exposure

No specific risk management measure identified beyond those operational conditions stated.

3. Exposure estimation (Environment 1)

EUSES v2.1 Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Environment 1)

Guidance is based on assumed operating conditions which may not be applicable to all sites, thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SpERC factsheet (<http://cefic.org/en/reach-for-industries-libraries.html>).

3. Exposure estimation (Health 1)

Assessment method The Consexpo model has been used to estimate consumer exposures, unless otherwise indicated. Predicted exposures are not expected to exceed the applicable exposure limits (given in Section 8 of the SDS) when the operational conditions/risk management measures given in Section 2 are implemented.

4. Guidance to check compliance with the exposure scenario (Health 1)

Estimated workplace exposures are not expected to exceed DNELs when the identified risk management measures are adopted. Where other Risk Management Measures/Operational Conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.