



# SAFETY DATA SHEET

UWŁfX]b[ ħc ĤY[i Ĥh]cb Ĥf97ŁBc"%- \$+&\$\$\*'

J Yfg]cb &"\$  
8UhY \$) "%\$"&\$&(

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

### 1.1 Product identifiers

DfcXi WħbUa Y' : DfcdmYbY' [ `mWŁ`

DfcXi WħBi a VYf' : 9@\$\$\$-  
6fUbX' : 9=F @56'  
F 957< ĤBc" : 5 ĤfY[ ]ghfUh]cb Ĥbi a VYf' ]g ĤbchUj U] UV ĤZcf Ĥh ]g Ĥgi VghUbW' Ug Ĥh Y'  
gi VghUbW' cf ]hg' i gYg' UfY Ĥi Ya dhYX' Zfca ĤfY[ ]ghfUh]cbž Ĥh Y'  
Ubbi U' ĤcbbU[ Y ĤcYg Ĥbch ĤfYei ]fY' U' fY[ ]ghfUh]cb Ĥcf Ĥh Y'  
fY[ ]ghfUh]cb ]g Ĥbj ]gU[ YX' Zcf U' ĤhYf' fY[ ]ghfUh]cb ĤYUX' ]bY"

75G!Bc" : ) +!) )! \*

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

⇒Ybh]ZYX' i gYg' : @UVcfUħcfmWŁYa ]WŁgž A Ubi ZUWħ fY' cZ' gi VghUbWŁg'

### 1.3 Details of the supplier of the safety data sheet

7ca dUbm : 9=F @56' F 9G95F 7< ; FCI D'  
++ ĤG]f' >c\ Ĥb Ĥc[ Yfgcbg ĤE i Um  
8i V' ]b &  
=F 9@5B8

HY Ĥd\cbY' : Ž' )' ' %\* ( \$% \$\$'  
9! a U] ĤUXfYgg : gU' Yg4 Y]f' UV" Yi'

### 1.4 Emergency telephone

9a Yf[ YbWħD\cbY' : Ž fl )' Ł! %- \$%( \* + \$ Ĥf7< 9A HF 97Ł'

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

BchU' \UnUfXci g' gi VghUbW' cf Ĥa ]l Ĥi fY' UWŁfX]b[ ħc ĤY[i Ĥh]cb Ĥf97ŁBc"%&+&#&\$\$, ""

### 2.2 Label elements

BchU' \UnUfXci g' gi VghUbW' cf Ĥa ]l Ĥi fY' UWŁfX]b[ ħc ĤY[i Ĥh]cb Ĥf97ŁBc"%&+&#&\$\$, ""

### 2.3 Other hazards

H\]g' gi VghUbW' #a ]l Ĥi fY' WŁbhU]bg' bc WŁa dcbYbhg' WŁbg]XYfYX' Ĥc ĤVY' Y]h\ Yf' dYfg]ghYbhž  
V]cUWV' a i Ĥh]j Y' UbX' Ĥcl ]WfD6HŁž' cf' j YfmdYfg]ghYbh' UbX' j YfmV]cUWV' a i Ĥh]j Y' f] Dj 6Ł' Uh'  
Ĥj Y' g' cZ' \$" % Ĥcf' \] [ \Yf"

Rcig' %' qh' '-'



---

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Gnbcbnā g' . . DfcdmYbY' [ `mWē`  
%ž&! DfcdUbYX]c`

: cfa i `U' . . 7' <, C&

A c`YW`Uf`k Y][ \h' . . +\*"\$- [ #a c`

75G!Bc" . . ) +!) )! \*`

97!Bc" . . &\$ \$! ' ' , ! \$`

Bc`Wēa dcbYbhg`bYXX`hc`VY`X]gWcgYX`UWēfX]b[ `hc`h\Y`Udd`]WV`Y`fY[ i `Uh]cbg"

---

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### If inhaled

⇒VfYUh\ YX`]bž`a c] Y`dYfgcb`]bhc`ZfYg`U]f" ⇒Zbch`VfYUh\ ]b[ ž`[ ]j` Y`Ufh]Z]WU`fYgd]fUH]cb"

#### In case of skin contact

K Ug`icZZ`k ]h\`gcUd`UbX`d`YbhmCZ`k UhYf"

#### In case of eye contact

: `i`g\`YmYg`k ]h\`k UhYf`Ug`U`dfYW]i`h]cb"

#### If swallowed

BYj`Yf`[ ]j`Y`Ubrm\ ]b[ `Vma`ci`h\`hc`Ub`i`bWēbgW]ci`g`dYfgcb" F]bgY`a`ci`h\`k ]h\`k UhYf"

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

H\Y`a`cgh]a`dcfHUbh`\_bck`b`gma`dhca`g`UbX`YZZYWg`UfY`XYgW]VYX`]b`h\Y`UVY" ]b[ `fbjYY`gYW]cb`  
&"&L`UbX`#cf`]b`gYW]cb`%%`

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

Bc`XUH`Uj`U]`UV`Y`

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

I`gY`k`UhYf`gdfUmž`U`Wē`c`!`fYg]ghUbh`ZcUa`ž`Xfm\W`Ya` ]W]`cf`WVfVcb`X]cl`]XY"

### 5.2 Special hazards arising from the substance or mixture

7UfVcb`cl`]XYg`

### 5.3 Advice for firefighters

K`YUf`gY`Z`WēbhU]bYX`VfYUh\ ]b[ `UddUfUhi`g`Zcf`Z]fYZ[ \h]b[ `]Z`bYW`ggUfm`

### 5.4 Further information

Bc`XUH`Uj`U]`UV`Y`

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

5j`c]X`VfYUh\ ]b[ `j`Udcfgž`a`]gh`cf`[`Ug" .  
: `cf`dYfgcbU`dfchYW]cb`gYY`gYW]cb` , "

Rcig`&`qh`"-`



**6.2 Environmental precautions**

Bc'gdYVWU`Ybj ]fcb a YbhU`dfYWU h]cbg'fYei ]fYX''

**6.3 Methods and materials for containment and cleaning up**

?YYd`]b`gi ]hUV`Yz`WcgYX`Vz`bhU]bYfg`Zcf`X]gdcgU''

**6.4 Reference to other sections**

: cf`X]gdcgU`gYY`gYVW]cb`%`''

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

: cf`dfYWU h]cbg'gYY`gYVW]cb`&''

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions**

?YYd`Vz`bhU]bYf`h] [ \`hmiWcgYX`]b`U`XfmUbX`k`Y`!`j`Ybh]`UhYX`d`UW''`GhcfY`]b`Vz`c`d`UW''

\`n]`fcgVz`d]W

**Storage class**

GhcfU[`Y`WUgg`fHF;`G`)`%\$`L`%\$.`7ca`Vi`gh]V`Y`ei`]Xg`

**7.3 Specific end use(s)**

5dUfh`Zca`h`Y`i`gYg`a`Ybh]cbYX`]b`gYVW]cb`%`&`bc`ch`Yf`gdYVW]ZWi`gYg`UfY`gh]di`UhYX`

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Ingredients with workplace control parameters**

7ca`dcbYbh`	75G!`Bc''	7cbhfc` dUfUa`Yhf` g`	J`U`i`Y`	6Ug]g`
%z&!`dfcdUbYX]c`	)`+!)`)*`	C`9@`!`,``,` \`fg`fHK`5L`	%)`\$`a`[`#a` dUfh]WYg`	=fY`UbX''`@gh`cZ`7`Ya`]W''`5[`Ybhg` UbX`C`VW`dUh]cbU`9l`dcgi`fY` @]a`]h]J`U`i`Yg`!`GW`YXi`Y`%
		C`9@`!`,``,` \`fg`fHK`5L`	%)`\$`dda` (`+\$`a`[`#a` hchU`f]`Udci`f` UbX`dUfh]WYg`L`	=fY`UbX''`@gh`cZ`7`Ya`]W''`5[`Ybhg` UbX`C`VW`dUh]cbU`9l`dcgi`fY` @]a`]h]J`U`i`Yg`!`GW`YXi`Y`%

**8.2 Exposure controls**

**Personal protective equipment**

**Eye/ face protection**

I`gY`Yei`]da`Ybh`Zcf`YmY`dfchYVW]cb`hYghYX`UbX`Uddfcj`YX`i`bXYf`Uddfcdf]UH`Y`  
[`cj`Yfba`Ybh]gh]UbXUfXg`gi`VW`Ug`B=C`G<`fI`G`L`cf`9B`%`\*`f9l`L`''

**Skin protection**

<`UbX`Y`k`]h`i`[`cj`Yg`'';`cj`Yg`a`i`gh`VY`]bgdYVWYX`df]cf`hc`i`gY''`I`gY`dfcdYf`[`cj`Y`  
fYa`cj`U`h`VW]b]ei`Y`fk`]h`ci`h`ci`VW]b`[`[`cj`Yf]g`ci`hYf`gi`fZUW`L`hc`Uj`c]X`g`\_]b`Vz`bhUW`h`  
k`]h`h`]g`dfcXi`VW''`8]gdcgY`cZ`Vz`bhUa`]bUhYX`[`cj`Yg`Uz`Yf`i`gY`]b`UWVz`fXUbW`k`]h`  
Udd`]WV`Y`Uk`g`UbX`[`ccX`UVcfUhc`fmdfUW]WYg`K`Ug`UbX`Xfm`UbXg`''

H`Y`gY`YVWYX`dfchYVW]j`Y`[`cj`Yg`Uj`Y`hc`gUh]gZ`h`h`Y`gdYVW]Z]W]h]cbg`cZ`F`Y`[`i`Uh]cb`f9l`L`  
&`\$`%`#`(&)`UbX`h`Y`gh]UbXUfX`9B`''`+`(`XYf]j`YX`Zca`]h`''

:`i`''`Vz`bhUW`h`



A UhYf]U. 'B]hf]Y'fi VVYf'  
 A ]b]a i a ``UmYf'h ]W\_bYgg. '\$%%'a a '  
 6fYU\_'h'fci [ \ 'h]a Y. '(, \$'a ]b'  
 A UhYf]U' hYghYX. 8Yfa Uhf] ¼ 'f? 7@+( \$ '# 5`Xf]W`N\* ++&+&ž'G]nY`A Ł'

Gd`Ug\ `Včb]UW'  
 A UhYf]U. 'B]hf]Y'fi VVYf'  
 A ]b]a i a ``UmYf'h ]W\_bYgg. '\$%%'a a '  
 6fYU\_'h'fci [ \ 'h]a Y. '(, \$'a ]b'  
 A UhYf]U' hYghYX. 8Yfa Uhf] ¼ 'f? 7@+( \$ '# 5`Xf]W`N\* ++&+&ž'G]nY`A Ł'

XUH'gci fW. '? 7@; a V<ž'8!' \*%&( '9]WYbnY`ž'd\cbY`Ž (- 'f\$Ł\*\*)- ', +' \$ž'Y!a U]`  
 gU`Yg4 \_W`XYž'hYgh'a Yh'cX. '9B' +( '  
 =ž i gYX ]b'gc'i h]cbž'cf'a ]l YX`k ]h`ch`Yf'gi Vgh]UbW`gž'UbX'i bXYf`VčbX]h]cbg`k \ ]W`  
 X]Z]Yf`ž'ca '9B' +( ž`Včb]UW'h`Y'gi dd`]Yf`cZ`h`Y`97`Uddfcj YX [ `cj Yg" `H\]g`  
 fYVč'a a YbXUh]cb`]g`UXj ]gcfmcb`m`UbX`a i gh`VY`Yj U'i UhYX`Vm`Ub`]bXi gh]U` \m[ ]Yb]gh  
 UbX`gUZYhmcZ]Wf`žJa ]`]Uf`k ]h`h`Y`gdYV]Z]Wg]fi Uh]cb`cZ`Ubh]V]dUhYX`i gY`Vmci f`  
 W`ghca Yfg" =h`g\ci `X`bch`VY`Včbghfi YX`Ug`cZ]Yf]b [ `Ub`Uddfcj U`Zcf`UbmgdYV]Z]Wfi gY`  
 gW`bUf]c"

**Body Protection**

=a dYfj ]ci g`Wch`]b [ ž`H`Y`mdY`cZdfchYW]j Y`Yei ]da Ybh'a i gh`VY`gY`VW`X`UW`č`fX]b [ `  
 hc`h`Y`VčbW`bhfUh]cb`UbX`Ua ci bh`cZ`h`Y`XUb [ Yfci g`gi Vgh]UbW`Uh`h`Y`gdYV]Z]W  
 k cf\_d`UW"

**Respiratory protection**

F Ygd]fUhcfmdfchYW]cb`bchfYei ]fYX": cf`bi ]gUbW`Yl dcgi fYg`i gY`mdY`CJ #5; `fi GŁ`cf`  
 mdY`569?`f9l `9B`%( ' , +Ł`fYgd]fUhcf`W]f]h]X [ Yg" `l gY`fYgd]fUhcf]g`UbX`Vč'a dcbYbhg`  
 hYghYX`UbX`Uddfcj YX`i bXYf`Uddfcdf]UhY [ `cj Yfba Ybh`gh]UbX`UfXg`gi W`Ug`B=C`G<`fi GŁ`  
 cf`79B`f9l Ł"

**Control of environmental exposure**

Bc`gdYV]U`Ybj ]fcb'a Ybh]`dfYW]i h]cbg`fYei ]fYX"

**SECTION 9: Physical and chemical properties**

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

UŁ	D\mg]W]`gh]hY	]ei ]Xž`WYUfž`j ]gVč`i g
VŁ	7c`cf	Vč`cf`Ygg
WŁ	CXcf	Bc`XUH`Uj U]`UV`Y`
XŁ	A Y`h]b [ dc]bh#ž`fYn]b [ `dc]bh	A Y`h]b [ `dc]bh#fUb [ Y. `!*`\$`š7`!`"]h"
YŁ	=b]h]U`Vc`]b [ `dc]bh UbX`Vc`]b [ `fUb [ Y	% +`š7`!`"]h"
žŁ	: `Ua a UV`] ]m]fgc`]Xž [ UgŁ	Bc`XUH`Uj U]`UV`Y`
[ Ł	l ddYf#ck Yf ZUa a UV`] ]m]cf Yl d`cg]j Y`]a ]hg	l ddYf`Yl d`cg]cb`]a ]h`%&") `i` fU Ł` @ck Yf`Yl d`cg]cb`]a ]h`&"*`i` fU Ł`
\ Ł	: `Ug\ `dc]bh	%\$` `š7`!`WcgYX`W`d`
] Ł	5i hc] [ b]h]cb hYa dYfUh`fY	Bc`XUH`Uj U]`UV`Y`



٤ 8YV٤a dcg]h]cb hYa dYfUhi fY	Bc`XUHU`Uj U]UV`Y`
_٤ d<	Bc`XUHU`Uj U]UV`Y`
٤ J ]gV٤g]lm	J ]gV٤g]lmž _]bYa Uh]W`Bc`XUHU`Uj U]UV`Y` J ]gV٤g]lmž XmbUa ]W`Bc`XUHU`Uj U]UV`Y`
a ٤ K UhYf`gc`i V]`]lm	Uh`&) `š7`gc`i V`Y`
b٤ DUfh]h]cb`V٤YZ]WYbh b!cVWUbc`#k UhYf	`c[ `Dck . ! \$" , `Uh`&) `š7`
c٤ J Udcf`dfYggi fY	\$"%%\`DU`Uh`&\$`š7`
d٤ 8Ybg]lm FY`Uh]j Y`XYbg]lm	%"\$` * `[ #V٤ ` `Uh`&) `š7`!` ``]h` Bc`XUHU`Uj U]UV`Y`
e٤ FY`Uh]j Y`j Udcf XYbg]lm	Bc`XUHU`Uj U]UV`Y`
f٤ DUfh]WV VX`UfUVWYf]gh]Vg	Bc`XUHU`Uj U]UV`Y`

g٤ 9l d`cg]j Y`dfcdYfh]Yg` Bc`XUHU`Uj U]UV`Y`  
 h٤ CI ]X]n]b[ `dfcdYfh]Yg` Bc`XUHU`Uj U]UV`Y`

## 9.2 Other safety information

FY`Uh]j Y`j Udcf` &"\*` ! `f٥]f`1` %"\$٤`  
 XYbg]lm

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Bc`XUHU`Uj U]UV`Y`

### 10.2 Chemical stability

GHUV`Y`i bXYf`fYV٤a a YbXYX`ghcfU[ Y`V٤bX]h]cbg`

### 10.3 Possibility of hazardous reactions

Bc`XUHU`Uj U]UV`Y`

### 10.4 Conditions to avoid

Bc`XUHU`Uj U]UV`Y`

### 10.5 Incompatible materials

5V]X`V٤`cf]XYgz`5V]X`Ub`mXf]XYgz`CI ]X]n]b[ `U[ Ybhgz`7`\`cfcZcfa UhYgz`FYXi`Wb[ `U[ Ybhg5V]X`  
 V٤`cf]XYgz`5V]X`Ub`mXf]XYgz`CI ]X]n]b[ `U[ Ybhgz`7`\`cfcZcfa UhYgz`FYXi`Wb[ `U[ Ybhg`

### 10.6 Hazardous decomposition products

⇒h`Y`Yj YbhicZ]fY. `gYY`gYV]cb`)

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

@8) \$`CfU`!`FUh!`a U`Y`UbX`ZYa U`Y`!`&&z\$\$\$`a [ #\_[`  
 FYa Uf\_g. `f97<5٤`

⊖\UUh]cb. 'Bc'XUH'Uj U]UV'Y'  
Ⓜ) \$'8Yfa U'!' FUVV]h!' 2'&z\$\$\$'a [ #\_[ '  
FYa Uf\_g. 'f97<5£'

**Skin corrosion/irritation**

G\_]b'!' FUVV]h'  
FYgi 'h' 'Bc'g\_]b']ff]hUh]cb!' (' '\ '  
fC978 'HYgh; i ]XY']bY'('\$ (£'

**Serious eye damage/ eye irritation**

9mYg'!' FUVV]h'  
FYgi 'h' 'Bc'YmY']ff]hUh]cb.'  
fC978 'HYgh; i ]XY']bY'(\$) £'

**Respiratory or skin sensitization**

A U] ]a ]nUh]cb'HYgh!' ; i ]bYU'd][ '  
FYgi 'h' 'bY[ Uh]j Y'  
fC978 'HYgh; i ]XY']bY'(\$\* £'

**Germ cell mutagenicity**

HYgh'HmdY. '7\ fca cgca Y'UVYffUh]cb'hYgh]b'j ]hfc'  
HYgh'gmghYa . ' < i a Ub''na d\cWthYg''  
A YhUVc']WUW]j Uh]cb. 'k ]h' UbX'k ]h'ci h'a YhUVc']WUW]j Uh]cb'  
A Yh'cX. 'C978 'HYgh; i ]XY']bY'(+ ' '  
FYgi 'h' 'bY[ Uh]j Y'  
HYgh'HmdY. '5a Yg'hYgh'  
HYgh'gmghYa . ' G''hmd\]a i f]i a ''  
A YhUVc']WUW]j Uh]cb. 'k ]h' UbX'k ]h'ci h'a YhUVc']WUW]j Uh]cb'  
FYgi 'h' 'bY[ Uh]j Y'  
FYa Uf\_g. 'f97<5£'

HYgh'HmdY. 'A ]Wcbi WYi g'hYgh'  
GdYWYg. 'A ci gY'  
7Y''hmdY. '6cbY'a Uffck '  
5dd']W]h]cb'Fci hY. '⊖hfUdYf]hcbYU''

FYgi 'h' 'bY[ Uh]j Y'  
FYa Uf\_g. 'f97<5£'

HYgh'HmdY. '7\ fca cgca Y'UVYffUh]cb'hYgh]b'j ]hfc'  
GdYWYg. 'F Uh'  
7Y''hmdY. '6cbY'a Uffck '  
5dd']W]h]cb'Fci hY. 'CfU''

FYgi 'h' 'bY[ Uh]j Y'  
FYa Uf\_g. 'f97<5£'

HYgh'HmdY. 'Xca ]bUbh''Yh\U''hYgh'  
GdYWYg. 'F Uh'

5dd']W]h]cb'Fci hY. 'CfU''

FYgi 'h' 'bY[ Uh]j Y'  
FYa Uf\_g. 'f97<5£'

**Carcinogenicity**

Bc'XUH'Uj U]UV'Y'

**Reproductive toxicity**

Rcig''\*''qh''-''



Bc`XUHJ`Uj U]UV`Y`

**Specific target organ toxicity - single exposure**

Bc`XUHJ`Uj U]UV`Y`

**Specific target organ toxicity - repeated exposure**

Bc`XUHJ`Uj U]UV`Y`

**Aspiration hazard**

Bc`XUHJ`Uj U]UV`Y`

**11.2 Additional Information**

FYdYUHYX`XcgY`hcl ]Wm!`FUh!`a UY!`CfU!`&mf!`BC59@fBc`cVgYfj`YX`UXj`YfgY`YZYVh  
`Yj`Y`!`%ž+\$`\$`a [ #`\_`[`  
FYa`Uf\_g.`f97<5`Ł`

F`H97G.`HM&\$\$\$\$\$`  
Hc`h`Y`VYghcZ`ci`f`\_bck`YX[`Yž`h`Y`V`Ya`]Wž`d`l`mg]Wž`UbX`hcl`]Vč`c`[`]Wž`dfcdYfh]Yg`\\Uj`Y`bch`  
VYYb`h`cfc`i`[`\\`m]bj`Ygh][`UH`Y`X`"

<UnUfXci`g`dfcdYfh]Yg`Wžbbch`VY`Yi`W`XYX`Vi`h`UFY`i`b`\_Y`mk`\\Yb`h`Y`dfcXi`Vh]g`\\UbX`YX`  
Uddfcdf]Uh`n`"

<UbX`Y`]b`UVWč`fXUbW`k`]h`[`ccX`]bXi`ghf]U`\\`m[`]YbY`UbX`gUZ`hmidfUVh]W`"

---

**SECTION 12: Ecological information**

**12.1 Toxicity**

Hcl`]Wm]hc`Z]g` ghUj]WhYgh@7)`\$!`C`b`Vč`f`\\`nbW`i`g`a`m\_]gg`f]fU]bVck`h`fci`h`Ł!`(`\$`ž`%`  
a`[`#`!`!`-`\*`\\`  
FYa`Uf\_g.`f97<5`Ł`

Hcl`]Wm]hc`XUd`\\`b]U` ghUj]WhYgh@7)`\$!`7`Yf]cXUd`\\`b]U`Xi`V]U`fk`UHf`ZYUŁ!`!`%`ž`(`\$`a`[`#`!`!(`,`  
UbX`ch`Yf`Uei`Uh]W` \\`  
]bj`YfhYVfUhYg` f]G!`9D5`Ł`

Hcl`]Wm]hc`U`[`UY` ghUj]WhYgh`9f7)`\$!`DgYi`Xc\_]fW`bYf]Y`U`gi`VWd]hUj]f[`fYYb`U`[`UYŁ!`  
%`ž`\$\$\$\$`a`[`#`!`!`-`\*`\\`  
fC`978`HYgh;`i`]XY`]bY`&`\$`%`Ł`

Hcl`]Wm]hc`VUWYf]U` BC`97`!`DgYi`Xca`cbUg`di`h]XU`!`2`&`\$\$\$\$`a`[`#`!`!`%`\\`  
FYa`Uf\_g.`f97<5`Ł`

**12.2 Persistence and degradability**

6]cXY[`fUXUV`]hm` UYfcV]W8]ggc`j`YX`cf[`Ub]Ww]fVcb`fBC`7`Ł!`9l`dcgi`fY`h]a`Y`&`,`X`  
FYgi`h`-`,`"`,`i`!`F`YUX]mV]cXY[`fUXUV`Y`"  
fC`978`HYgh;`i`]XY`]bY`"``\$`%`Ł`

**12.3 Bioaccumulative potential**

Bc`XUHJ`Uj U]UV`Y`

**12.4 Mobility in soil**

Bc`XUHJ`Uj U]UV`Y`

**12.5 Results of PBT and vPvB assessment**

H\]g`gi`VghUbW`#a`]i`hi`fY`Vč`bHU]bg`bc`Vč`a`dcbYbhg`Vč`bg]XYfYX`hc`VY`Y]h`Yf`dYfg]ghYbhž`



V]cUWV a i `Uhj Y`UbX`hcl ]WfD6HLz`cf`j YfmdYfg]ghYbh`UbX`j YfmV]cUWV a i `Uhj Y`fj Dj 6Ł`Uh`  
`Yj Y`g`cZ`\$`%` `cf`\][\Yf`

## 12.6 Endocrine disrupting properties

Bc`XUH`Uj U]UV`Y`

## 12.7 Other adverse effects

6]c`c[ ]W`YZZY`Wg.`

K \Yb`X]gVX`Uf[ YX`dfcdYf`nž`bc`]a dU]fa Ybhg`]b`h`Y`Z`bV]cb`cZ`UXUdhYX`V]c`c[ ]W`k`UghYk`UHYf`  
fYUha`Ybh`d`Ubhg`UfY`hc`VY`Yl`dYVWYX`"

GHUV`]m]b`k`UHYf`

!`&`" `mf`

FYa`Uf\_g.`fYUW]cb`k`]h` \`mXfcl`m`fUX]W]gfH`7@=8Ł`

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

CZZYf`gi`fd`i`g`UbX`bcb!`fYW`WUV`Y`gc`i`h]cbg`hc`U`]WbgYX`X]gdcgU`VŁa`dUbm`

#### Contaminated packaging

8]gdcgY`cZ`Ug`i`bi`gYX`dfcXi`W`

---

## SECTION 14: Transport information

### 14.1 UN number

58F`#F`=8.`"!`

=A`8;`"!`

=5H5.`"!`

### 14.2 UN proper shipping name

58F`#F`=8.` BchXUb[ Yfci`g`[`ccXg`

=A`8;`"!` BchXUb[ Yfci`g`[`ccXg`

=5H5.`"!` BchXUb[ Yfci`g`[`ccXg`

### 14.3 Transport hazard class(es)

58F`#F`=8.`"!`

=A`8;`"!`

=5H5.`"!`

### 14.4 Packaging group

58F`#F`=8.`"!`

=A`8;`"!`

=5H5.`"!`

### 14.5 Environmental hazards

58F`#F`=8.`"bc`

=A`8;`"A`Uf]bY`dc`"i`HUbh`"bc`

=5H5.`"bc`

### 14.6 Special precautions for user

#### Further information

Bch`WUgg]Z]YX`Ug`XUb[ Yfci`g`]b`h`Y`a`YUb]b[ `cZ`hfUbgdcfhi`fY[ i`Uh]cbg`"

---

## SECTION 15: Regulatory information

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

H\]g`a`Uhyf]U`gUZY`hmXUH`U`g\`YYh`VŁa`d`]Yg`k`]h`h`Y`fYei`]fYa`Ybhg`cZ`FY[ i`Uh]cb`f97Ł`Bc`"  
%-`\$`+`#`&`\$\$`\*`"

### 15.2 Chemical Safety Assessment

:`cf`h\]g`dfcXi`W`U`WY`a`]W`gUZY`hmUggYgga`Ybh`k`Ug`bch`Wff]YX`ci`h`

Reig`,`"qh`"-`



**SECTION 16: Other information**

---

Reg. No. 123456

