

% " ' = 89BH=: = 75H=CB' C: ' H<9' GI 6GH5B79#A=LHI F9' 5B8' C: ' H<9' 7CAD5BM#I B89FH5?=B; ' "

% " %' Df cXi Wh' =XYbh] Z] Yfg' "

Product Name: BRUNOL5 Overexpression Lysate

Catalog Number: NBP2-06501

Components: Overexpression Lysate

Empty Vector Negative Control

2x SDS Sample Buffer (contains SDS)

% " &' FY' Yj Ubh'] XYbh] Z] YX' igYg' cZ' h\Y' gi VghUbWY' cf' a] l hifY' UbX' igYg' UXj] gYX' U[U] bgh' "

Identified Uses: For research use only.

% " ' ' 8YhU] ' g' cZ' h\Y' gi d d'] Yf' cZ' h\Y' gUZYhm' XUhU' g\YYh' "

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Abingdon Science Park Fax: 44 (0)1235 533420
Abingdon, OX14 3NB Email address: info.emea@bio-techne

China: 1193 Changning Road
Unit 1901, Raffles Changning Office
Shanghai, China

% " (' 9aYf [YbWm' HY' Yd\cbY' BiaVYf' "

Emergency Tel: For chemical emergency, spill, leak, fire, etc. 800-262-8200
Bio-Techne Tel: US: 612-379-2956 or 800-343-7475 / Europe: +44(0)1235-529449 / China 8

& " ' < 5N5F8G' = 89BH=: = 75H=CB' "

& " %' 7' Ugg] Z] WUh] cb' cZ' h\Y' gi VghUbWY' cf' a] l hifY' "

7' Ugg] Z] WUh] cb' UWcfX] b [' hc' FY [i' Uh] cb' f97L' Bc' %&+&#&\$\$, ' O; <G#7@DQ' cf' &' 7: F' %- %S' %&\$\$

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 2

& " &' @UVY' ' 9' YaYbhg' "

@UVY'] b [' UWcfX] b [' hc' FY [i' Uh] cb' f97L' Bc' %&+&#&\$\$, ' O; <G#7@DQ' "

Pictogram(s):



Signal Word: Warning Hazard

Statement(s):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statement(s):

P264 Wash hands thoroughly after handling

P280 Wear protective gloves, protective clothing/eye protection/face protection

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs, get medical advice/attention.

P337+P313 If eye irritation persists, get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

& " ' ' Ch\Yf' <UnUfXg' "

Not available.

7CADCG=H=CB#=B; CFA5H=CB'CB'=B; F98=9BHG'

GiVghUbWYg'
Sodium Dodecyl Sulfate

& A]lhi fYg'

7cadcbYbh' 75G'Bc" 97'Bc" =bXYl'Bc" 7'Ugg]Z]WUh]cb'

Sodium Dodecyl Sulfate 151-21-3 205-788-1

(: =FGH'5=8' A95GI F9G'

("%' 8YgWf]dh]cb'cZ'Z]fgh'U]X'aYUgifYg'

; YbYfU'5Xj]WY'

Consult a doctor and show this safety data sheet.

=Z'=b\U'YX'

Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen

=b'7UgY'cZ'G_]b'7cbhUWh'

Immediately wash skin with copious amounts of soap and water for at least 15 minutes.

=b'7UgY'cZ'9mY'7cbhUWh'

Flush with copious amounts of water for at least 15 minutes. Remove contact lenses if

=Z'GkU'ckYX'

Rinse mouth with water. Do not induce vomiting unless directed to do so by medical per

('& Acgh']adcfhUbh'gmadhcag'UbX'YZZYWhgž'Vch\UWi hY'UbX'XY'UmYX'

=b\U'Uh]cb'

Material may be irritating to the mucous membranes and upper respiratory tract.

G_]b'

Causes skin irritation.

9mYg'

Causes eye irritation.

=b[Ygh]cb'

May be harmful if ingested.

("' =bX]WUh]cb'cZ']aaYX]UhY'aYX]WU'UhhYbh]cb'UbX'gdYW]U'hfYUhaYbh'bYYXYX'

Show this safety data sheet to the doctor in attendance. Immediate medical attention i

) "' : =F9! : =; <H=B; ' A95GI F9G'

) "%' 9lh]b[i]g\]b['AYX]U'

Gi]hUV'Y'Ylh]b[i]g\]b['aYX]U'

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

) "& GdYW]U'\UnUfXg'Uf]g]b['Zfca'h\Y'giVghUbWY'cf'a]lhi fY'

Combustible. In case of fire, irritating or toxic fumes or gases may be formed.

) "' DfYWUi h]cbg'Zcf'Z]fY!Z][\hYfg'

Wear suitable protective clothing to prevent contact with skin and eyes and self-conta

* "' 577=89BH=5@' F9@95G9' A95GI F9G'

* "%' DYfgcbU'dfYWUi h]cbgž'dfchYWh]jY'Yei]daYbh'UbX'YaYf[YbWm'dfcWYXifYg'

Do not take action without suitable protective clothing - see section 8 of SDS. Evacua
or gas.

* '& 9bj]fcbaybhU'dfYWUi h]cbg'

Do not let product enter drains.

* "' AYh\cXg'UbX'aUhYf]U'g'Zcf'WcbhU]baYbh'UbX'W'YUb]b['id'

Cover spillage with suitable absorbent material. Hold all material for appropriate dis

* (' FYZYfYbWY'hc'ch\Yf'gYWh]cbg'

For required PPE see section 8. For disposal see section 13.

+ "' <5B8@=B; '5B8'GHCF5; 9'

+ "%' DfYWUi h]cbg'Zcf'gUZY'\UbX']b['

Avoid inhalation, contact with eyes, skin and clothing. Use in a well-ventilated area.

+ '& 7cbX]h]cbg'Zcf'gUZY'ghcfU[Yž']bW'iX]b['Ubm]'bWcadUh]V]'h]Yg'

Store in cool, well-ventilated area. Keep container tightly closed in a dry and well-v
leakage. Do not store in incompatible containers.

+ " " GdYW] Z] W YbX' i gYg'
Not applicable.

, " " 9LDCGI F9' 7CBHFC@G#D9FGCB5@' DFCH97H= CB'

, " %' 7cbhfc' dUfUaYhYfg'
7cadcbYbhg' k] h\ kcf_d` UWY' Wcbhfc' dUfUaYhYfg'
Contains no substances with occupational exposure limit values.

, " &' 9ldcgifY' Wcbhfc' g'
5ddfcdf] UhY' 9b[] bYYf] b[] 7cbhfc' g'
Use in a fume hood where applicable. Ensure all engineering measures described under s
eye wash station. Avoid contact with skin, eyes, and clothing. Wash hands before break
DYfgcbU' DfchYWh] j Y' 9ei] daYbh'
9mY' #' : UWY' DfchYWh] cb'
Use appropriate safety glasses.
G_] b' DfchYWh] cb'
Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:
handling.
6cXm' Dfc'
Wear appropriate protective clothing.
FYgd] fUhcfm' DfchYWh] cb'
If risk assessment indicates necessary, use a suitable respirator.

- " " D<MG= 75@' 5B8' 7<9A= 75@' DFCD9FH= 9G'

- " %' =bZcfaUh] cb' cb' VUg] W' d\mg] WU' UbX' W\Ya] WU' dfcdYfh] Yg'
5ddYUfUbWY' Liquid JUdcf' DfYggi fY' No data available.
CXcf' Little to none JUdcf' 8Ybg] hm' No data available.
CXcf' H\ fYg\ c' X' No data available. FY' Uh] j Y' 8Ybg] hm' No data available.
d<' No data available. Gc' i V] '] hm' Soluble
AY' h] b[] #' : fYYn] b[] Dc' hdata available. DUf h] h] cb' 7cYZZ] W] Yb' No data available.
6c] '] b[] Dc] bh' #' : FUb[YNo data available. 5i hc] [b] h] cb' HYadYf U' of Yd' data available.
' : Ug\ Dc] bh' No data available. 8YWcadcg] h] cb' HYadYf U' of Yd' data available.
9j UdcfUh] cb' FUHY' No data available. J] gWcg] hm' No data available.
' : UaaUV] '] hm' fGc'] Xz' Njg' data available. 9l d' cDfcdY' No data available.
I ddYf' #' : @ckYf' : ' : UaaUV] '] hm' cf'
9l d' cg] j Y' @] a] hg' : ' : No' data' available. : ' : Cl'] X] n] b[] ' DfcdYfh] Yg' No data available.

- " &' Ch\ Yf' gUZYhm] bZcfaUh] cb'
No data available.

%S' GH56=@= HM' 5B8' F957H= J= HM'

%S' %' FYUWh] j] hm'
No data available.

%S' &' 7\ Ya] WU' ghUV] '] hm'
Stable under recommended storage conditions.

%S' ' Dcgg] V] '] hm' cZ' \ UnUfXci g' fYUWh] cbg'
Hazardous reactions will not occur under normal transport or storage conditions. Decom

%S' (' 7cbX] h] cbg' hc' Uj c] X'
No data available.

%S') =bWcadUh] V' Y' aUhYf] U' g'
Oxidizing agents.

%S' * < UnUfXci g' XYWcadcg] h] cb' dfcXi Whg'
Carbon dioxide, Carbon monoxide, Sodium oxides, Sulfur oxides.

%%' HCL= 7C@C; = 75@' = B: CFA5H= CB'

%%' %' =bZcfaUh] cb' cb' hcl] Wc' c[] WU' YZZYWhg'
5W hY' Hcl] W] hm'
LD50 Oral - rat - 1,288 mg/kg.
G_] b' 7cffcg] cb' #' = ff] hUh] cb'
Causes redness.
GYf] cig' 9mY' 8UaU[Y' #' = ff] hUh] cb'

Redness and pain.

FYgd]fUhcfm'cf'G_]b'GYbg]h]nUh]cb'

Sore throat and cough.

;Yfa'7Y''Ai hU[Yb] W] hm'

Classified based on available data.

7UfW]bc[Yb] W] hm'

Classified based on available data.

FYdfcXi Wh]j Y' Hcl] W] hm'

Classified based on available data.

GdYW]Z]W' HUF[Yh' Cf[Ub' Hcl] W] hm' !' G] b['Y' 9l dcgifY'

Classified based on available data.

GdYW]Z]W' HUF[Yh' Cf[Ub' Hcl] W] hm' !' FYdYUhYX' 9l dcgifY'

Classified based on available data.

5gd]fUh]cb' <UnUfX'

Classified based on available data.

Gmadhcag' #' FcihYg' cZ' 9l dcgifY'

Inhalation: Causes cough and sore throat.

Ingestion: Causes abdominal pain, diarrhea, nausea, and vomiting.

Skin: Causes redness and irritation.

Eyes: Causes redness and pain.

Delayed / Immediate Effects:

5XX]h]cbU'' =bZcfaUh]cb'

Classified based on available data.

%&" ' 97C@C; = 75@' = B: CFA5H= CB'

%&" %'Hcl] W] hm'

No data available.

%&" &'DYfg]ghYbWY' UbX' XY[f UXUV] '] hm'

No data available.

%&" ' '6]c' UWWi ai' Uh]j Y' dchYbh] U''

No data available.

%&" ('AcV]'] hm'] b' gc] ''

No data available.

%&")' FYgi' hg' cZ' D6H' UbX' j Dj 6' UggYggaYbh'

No data available.

%&" * 'Ch\Yf' UXj YfgY' YZZYWhg'

No data available.

%' " ' 8= GDCG5@' 7CBG= 89F5H= CBG'

%' " %' KughY' hf YUhaYbh' aYh\cXg'

DfcXi Wh'

Transfer to a suitable container and arrange for collection by specialized disposal co

7cbhUa] bUhYX' DUW_ U[] b['

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes

GdYW] U'' Df YWUi h] cbg'

Dispose of small amounts of spilled material as described in section 6. Large spills m
waterways, drains, and sewers.

%(" ' HF5BGDCFH' = B: CFA5H= CB'

Classified according to the criteria of the UN Model Regulations as reflected in the I

%(" %' IB! Bi aVYf'

Does not meet the criteria for classification as hazardous for transport.

%(" &' IB' dfcdYf' g\] dd] b[' bUaY'

Does not meet the criteria for classification as hazardous for transport.

%(" ' Hf Ubgdcfh' \UnUfX' W' UggfYgL'

Does not meet the criteria for classification as hazardous for transport.

%(" (' DUW_ U[] b[' [fci d'

Does not meet the criteria for classification as hazardous for transport.
%) ") '9bj] f cbaYbhU` ` \UnUfXg`
Does not meet the criteria for classification as hazardous for transport.
%) " * 'GdYW] U` ` dfYWUi h] cbg` Zcf` i gYfg`
Does not meet the criteria for classification as hazardous for transport.
5XX] h] cbU` ` Hf Ubgdcfh` =bZcfaUh] cb`
Does not meet the criteria for classification as hazardous for transport.

%) " ' F9; I @5HCFM` = B: CFA5H= CB`

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

%) " % 'GUZYhmz` \YU` h` ` UbX` Ybj] f cbaYbhU` ` fY[i` ` Uh] cbg#` ` Y[] g` Uh] cb` gdYW] Z] W` Zcf` h` \Y` gi VghUbWY` cf
HG75` fHcl] W` Gi VghUbWYg` u7m bDofdc` c` yS WLSulfate is listed.
G5F5` 'N6` t. applicable.
G5F5` ' ` %N#` t` %&.p` p` l` i` c` a` b` l` e` .
79F7@5` FYdcf hUVN oYt` Ea p] b] h] d] a` b] l` e` .
7U`] Zcf b] U` DfNodc ga] p] l] i] c] b] a` b] l` e` .

%) " & '7\Ya] WU` ` g UZYhm` UggYggaYbh`

A Chemical Safety Assessment has not been made for this product.

%* " ' CH<9F` = B: CFA5H= CB`

: i f h \ Y f ` = b Z c f a U h] c b `

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This company shall not be held liable for any damage resulting from handling or from c
experienced scientists in appropriately equipped and authorized facilities. The above
used as a guide only for experienced personnel. Always consult your safety advisor and
not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet.