

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

% " %' Df cXi Wh' =XYbh] Z] Yf g'
Product Name: TROY/TNFRSF19 Over expression Lysate
Catalog Number: NBP 2-05421
Components: Over expression Lysate
Empty Vector Negative Control
2x SDS Sample Buffer (contains SDS)

% " &' FY' Yj Ubh'] XYbh] Z] YX' i gYg' cZ' h\Y' gi VghUbWY' cf' a] l hif Y' UbX' i gYg' UXj] gYX' U[U] bgh'
Identified Uses: For research use only.

% " ' ' 8YhU] ' g' cZ' h\Y' gi d d'] Yf' cZ' h\Y' g UZYhm' XUhU' g\YYh'
Company: Novus Biologicals a Bio-Techne Brand Telephone: 1-888-506-6887
10771 E Easter Ave Fax: 1-303-730-1966
Centennial, CO 80112 USA Internet: www.novusbio.com
Email address: novus@novusbio.com

Canada: 461 North Service Rd West Telephone: 1-855-668-8722
Unit B37 Fax: 902-827-6402
Oakville, ON L6M 2V5 Email address: Canada.inquiries@bio-technec.com

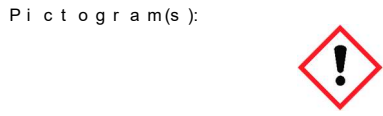
United Kingdom: 19 Barton Lane Telephone: 44 (0)1235 529449
Abingdon Science Park Fax: 44 (0)1235 533420
Abingdon, OX14 3NB Email address: info.emea@bio-technec.com

China: 1193 Changning Road Telephone: 86-400-821-3475
Unit 1901, Raffles Changning Office Fax: 76 (021)52371001
Shanghai, China Email address: techsupport.cn@bio-technec.com

% " (' 9aYf [YbWm' HY' Yd\cbY' Bi aVYf'
Emergency Tel: For chemical emergency, spill, leak, fire, explosion, etc. 1-800-262-8200 or call 1-800-262-8200
Bio-Techne Tel: US: 612-379-2956 or 800-343-7475 / Europe: +44(0)1235-529449 / China 86-400-821-3475

&" ' < 5N5F8G' = 89BH=: = 75H=CB'
&" %' 7' Ugg] Z] WUh] cb' cZ' h\Y' gi VghUbWY' cf' a] l hif Y'
7' Ugg] Z] WUh] cb' UWWcf X] b[' hc' FY[i' Uh] cb' f 97L' Bc' %&+&#&SS, ' O; < G#7@DQ' cf' &- ' 7: F' %- %S" %&SS
Skin Corrosion/Irritation – Category 2
Serious Eye Damage/Eye Irritation – Category 2

&" &' @UVY' ' 9' YaYbhg'
&UVY'] b[' UWWcf X] b[' hc' FY[i' Uh] cb' f 97L' Bc' %&+&#&SS, ' O; < G#7@DQ'



Signal Word: Warning Hazard
Statement(s):
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statement(s):
P 264 Wash hands thoroughly after handling.
P 280 Wear protective gloves, protective clothing/eye protection/face protection.
P 302+P 352 IF ON SKIN: Wash with plenty of soap and water.
P 305+P 351+P 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens if available and continue rinsing.
P 332+P 313 If skin irritation occurs, get medical advice/attention.
P 337+P 313 If eye irritation persists, get medical advice/attention.
P 362+P 364 Take off contaminated clothing and wash it before reuse.

&" ' ' Ch\Yf' <UnUf Xg'

Not available.

7 CADCG=H=CB#=B; CFA5H=CB'CB'=B; F98=9BHG'
" %' Gi VghUbWYg'
Sodium Dodecyl Sulfate
' &' A]l hif Yg'
7cadcbYbh' 75G' Bc" ' 97' Bc" ' =bXYl' Bc" ' 7' Ugg] Z] WUh] cb' <10
Sodium Dodecyl Sulfate 151-21-3 205-788-1
(" ' : =FGH' 5=8' A95GI F9G'
(" %' 8YgWf] dh] cb' cZ' Z] fgh' U] X' aYUgif Yg'
; YbYfU' 5Xj] WY'
Consult a doctor and show this safety data sheet.
=Z' =b\U' YX'
Remove to refresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing
=b' 7UgY' cZ' G_] b' 7cbhUWh'
Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contact
=b' 7UgY' cZ' 9mY' 7cbhUWh'
Flush with copious amounts of water for at least 15 minutes. Remove contact lenses if easy to do so. Co
=Z' GkU' ckYX'
Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never
(' &' 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 is required.

+ " ' : <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. Do not eat, drink
+ " &' 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-ventilated place.
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 section 7 of S
eye wash station. Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediat
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 374:2003). Gloves sh
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 J Udcf` DfYggi fY` No data available.
CXcf` Little to none J Udcf` 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` No data available. D Ufh] h] cb` 7cYZZ] W] Yb] No data available.
6c] `] b[] Dc] bh` #` FUb[Y No data available. 5i hc] [b] h] cb` HYadYf U] No data available.
: ` Ug` Dc] bh` No data available. 8YWcadcg] h] cb` HYadYf U] No data available.
9j UdcfUh] cb` FUhY` No data available. J] gWcg] hm` No data available.
: ` UaaUV] `] hm` fGc` X` No 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. Decomposition m

%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`
5WhY` 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' #' Fci hYg' 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 company in a

7cbhUa] bUhYX' DUW_U[] b['

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

GdYW] U'' Df YWUi h] cbg'

Dispose of small amounts of spilled material as described in section 6. Large spills must be dealt with water ways, drains, and sewers.

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

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, F

%(" %'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 c b a Y b h U ' ' \ Un U f X g '

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

%) " * 'GdYW] U ' ' d f Y W U i h] c b g ' Z c f ' i g Y f g '

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

5XX] h] c b U ' ' H f U b g d c f h ' = b Z c f a U h] c b '

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

%) " ' F 9 ; I @ 5 H C F M ' = B : C F A 5 H = C B '

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

%) " % 'G U Z Y h m z ' \ Y U ' h ' ' U b X ' Y b j] f c b a Y b h U ' ' f Y [i ' U h] c b g # ' Y [] g ' U h] c b ' g d Y W] Z] W ' Z c f ' h \ Y ' g i V g h U b W Y ' c f

H G 7 5 ' f H c l] W ' G i V g h U b S V d g ' u 7 m D o h f e c c y ' 1 5 S W h L f a t e i s l i s t e d .

G 5 F 5 ' ' N o ' t , a p p l i c a b l e .

G 5 F 5 ' ' % # ' t % a p p l i c a b l e .

7 9 F 7 @ 5 ' F Y d c f h U V N o ' t , a p p l i c a b l e .

7 U '] Z c f b] U ' D f N o t a p p l i c a b l e .

%) " & ' 7 \ Y a] W U ' ' g U Z Y h m ' U g g Y g g a Y b h '

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

%) " ' C H < 9 F ' = B : C F A 5 H = C B '

: 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 contact with experienced scientists in appropriately equipped and authorized facilities. The above information is used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate procedures. Under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet.