

<ul> <li>Product Identifiers</li> <li>Product Name: MNAB Recombinant Protein Antigen</li> <li>Catalog Number: MBP283789FP</li> <li>Relevant Identified Uses:</li> <li>For research use only.</li> <li>Details of the supplier of the substance or mixture and uses advised against</li> <li>Company:</li> <li>Novus Biologicals a Biol Techne Brand</li> <li>Telephone:</li> <li>1-308-506-</li> <li>Contagany:</li> <li>Novus Biologicals a Biol Techne Brand</li> <li>Telephone:</li> <li>1-308-506-</li> <li>Centennial, CO 80112 USA</li> <li>Internet:</li> <li>Novus Biologicals a Biol Techne Brand</li> <li>Telephone:</li> <li>1-305-668-8722</li> <li>Canada:</li> <li>461 North Service Rd West</li> <li>Telephone:</li> <li>44 (0)1235 529449</li> <li>Canada:</li> <li>19 Barton Lane</li> <li>Abingdon, OX14 3NB</li> <li>Email address:</li> <li>Internet:</li> <li>Motigation Science Park</li> <li>Abingdon, OX14 3NB</li> <li>Email address:</li> <li>Internet:</li> <li>Vision30-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449</li> <li>Abingdon Science Park</li> <li>Abingdon Science Park</li> <li>Solo3-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449</li> <li>Cassification according to the Regulation (EC) No 1272/2008 Not Classified</li> <li>Labelling according to the Regulation (EC) No 1272/2008 Not Classified</li> <li>Labelling according to the Regulation (EC) No 1272/2008 Not Classified</li> <li>Labelling according to the Regulation (EC) No 1272/2008 Not Classified</li> <li>Substances</li> <li>Not applicable.</li> <li>Substances</li> <li>Not applicable.</li> <li>Substances</li> <li>Not applicable.</li> <li>Substances</li> <li>Not applicable.</li> <li>S</li></ul>	
Catalog Number: NBP2-68785PEP         1.2       Relevant identified Uses of the substance or mixture and uses advised against Identified Uses: in For research use only.         1.3       Details of the supplier of the safety data sheet Company: Novus Biologicals a Bio-Techne Brand Telephone: 1-888-506- 10771 E Easter Ave Fax: 1-303-730-1966 Centennial, CO 80112 USA Email address: 00000000000000000000000000000000000	
Catalog Number: NBP2-68785PEP         1.2       Relevant identified Uses:       For research use only.         1.3       Details of the supplier of the safety data sheaty.         Company:       Novus Biologicals as Bio-Techne Brand       Telephone:       1-888-506-         10771 E Easter Ave       Fax:       1-303-730-1966         Company:       Novus Biologicals as Bio-Techne Brand       Telephone:       1-885-506-         10771 E Easter Ave       Fax:       1-303-730-1966         Centennial, CO 80112 USA       Internet:       www norusbio.com         Canada:       461 North Service Rd West       Telephone:       1-855-688-8722         Unit B37       Fax:       902-827-6402       Oakville, ON L6M 2V5       Email address:       Canada inquiries@bio-techne.com         United Kingdom:       19 Barton Lane       Telephone:       44 (0)1235 529449       Abingdon, Science Park       Fax:       44 (0)1235 533420         Abingdon, OX14 3NB       Email address:       Unit de emails address:       140.ema@bio-techne.com         1.4       Emergency Telephone Number       Email address:       44 (0)1235 529449         2.4       HAZARDS IDENTIFICATION       Email address:       140.ema@bio-techne.com         2.1       Label Elements       Labelling according to the Regulation (EC)	
1.2       Relevant identified uses of the substance or mixture and uses advised against identified Uses:       For research use only.         1.3       Details of the supplier of the safety data sheet       Company:       Norus Biologicals a Bio-Techne Brand       Telephone:       1-888-506-         Company:       Norus Biologicals a Bio-Techne Brand       Telephone:       1-885-506-         Company:       Norus Biologicals a Bio-Techne Brand       Intermet:       www.norusbio.com         Canada:       461 North Service Rd West       Telephone:       1-855-668-8722         Unit B37       Fax:       0-902-807-802         Oakville, ON L6M 2V5       Email address:       Canada inquiries@bio-techne.com         United Kingdom:       19 Barton Lane       Telephone:       44 (0)1235 529449         Abingdon, OX14 3NB       Email address:       info-ernea@bio-techne.com         1.4       Emergency Telephone Number       Email address:       info-ernea@bio-techne.com         2.4       HAZARDS IDENTIFICATION       Email address:       info-ernea@bio-techne.com         2.4       HAZARDS IDENTIFICATION       Email address:       info-ernea@bio-techne.com         2.4       HAZARDS IDENTIFICATION       Email address:       info-ernea@bio-techne.com         2.1       Classifification acorching to the Regulation (EC) No 1272/2008	
Identified Uses:       For research use only.         1.3       Details of the supplier of the safety data sheet         Company:       Novus Biologicals a Bio-Techne Brand 1077 Haster Ave 0077 Hole Safety and	
<ul> <li>1.3 Details of the supplier of the safety data sheat         <ul> <li>Company: Novus Biologicals a Bio-Techne Brand 10771 E Easter Ave E a: 1-303-730-1966</li> <li>10771 E Easter Ave E a: 1-303-730-1966</li> <li>Centennial, CO 80112 USA Internet: Www.novusbio.com</li></ul></li></ul>	
Company: Novs Biologicals a Bio-Techne Brand Telephone: 1-888-506- 10771 E Easter Ave Fax: 1-303-730-1966 Centennial, CO 80112 USA 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 ZV5 Email address: Canada.inquiries@bio-techne.com United Kingdom: 19 Barton Lane Telephone: 44 (0)1235 529449 Abingdon Science Park Fax: 44 (0)1235 533420 Abingdon Science Park Fax: 44 (0)1235 533420 Abingdon, OX14 3NB Email address: info.emea@bio-techne.com 1.4 Emergency Telephone Number Emergency Telephone Number Emergency Telephone or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified 2. HAZARDS IDENTIFICATION 2.1 Classification according to the Regulation (EC) No 1272/2008 Not Classified 2. Label Elements Labelling according to the Regulation (EC) No 1272/2008 Not Regulated 2. Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher. 3. COMPOSITION/INFORMATION ON INGREDIENTS 3.1 Substances Not applicable. 3.2 Mixtures This substances not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or This prod	
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:inquires@bio-techne.com         United Kingdom:       19 Barton Lane       Telephone:       44 (0)1235 529449         Abingdon Science Park       Fax:       44 (0)1235 53420         Abingdon, OX14 3NB       Email address:       info.emea@bio-techne.com         14       Emergency Telephone Number       Email address:       info.emea@bio-techne.com         14       Emergency Telephone Number       Email address:       info.emea@bio-techne.com         14       Emergency Telephone Number       Email address:       info.emea@bio-techne.com         15       Classification of the substance or mixture       Classification according to the Regulation (EC) No 1272/2008 Not Classified       2.2         2.3       Other Hazards       This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.         3.1       Substances       Not applicable.       3.2	
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-techne.com         United Kingdom:       19 Barton Lane       Telephone:       44 (0)1235 529449         Abingdon, OX 14 3NB       Email address:       info.emea@bio-techne.com         1.4       Emergency TelephoneNumber       Emergency TelephoneNumber         Emergency TelephoneNumber       Us: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449       Internet:         2.       HAZARDS IDENTIFICATION       Emergency Tele       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.       HAZARDS IDENTIFICATION       Emergency Tele       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.1       Classification according to the substance or mixture Classification according to the substance or mixture Classification according to Regulation (EC) No 1272/2008 Not Classified         2.2       Labelling according to Regulation (EC) No 1272/2008 Not Regulated         2.3       Other Hazards         This substances       Not applicable.         3.1       Substances      <	
Canada:       461 North Service Rd West Unit B37       Telephone:       1-855-688-8722         Unit B37       Fax:       902-827-6402         Oakville, ON L6M 2V5       Email address:       Canada.inquiries@bio-techne.com         United Kingdom:       19 Barton Lane Abingdon, Science Park Abingdon, Science Park Beregency Telephone       Telephone:       44 (0)1235 529449         1.4       Emergency Telephone Number Emergency Telephone Number       Fax:       44 (0)1235 533420         2.1       HAZAROS IDENTIFICATION       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449       Info.emea@bio-techne.com         2.1       HAZAROS IDENTIFICATION       Emergency Telephone Number Emergency Tele       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.1       HAZAROS IDENTIFICATION       Email address:       Info.emea@bio-techne.com         2.1       HAZAROS IDENTIFICATION       Emergency Telephone Number Emergency Telephone Number       Email address:         2.2       Labellign according to the Regulation (EC) No 1272/2008 Not Classified       Email address:       Fax:         2.3       Other Hazards       This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.         3.1       Substances Not applicable.       Substances Not applicable.       Email address or tontain hazardous	
Unit B37       Fax:       902-827-6402         Oakville, ON L6M 2V5       Email address:       Canada.inquiries@bio-techne.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-techne.com         1.4       Emergency Telephone Number       Email address:       info-emea@bio-techne.com         2.0       HAZARDS IDENTIFICATION       Emergency Tele:       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.1       Classification of the substance or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified       Emergency Tele:       Image: Tele Phone         2.2       Label Elements Labelling according to Regulation (EC) No 1272/2008 Not Classified       Email address:       Image: Tele Phone         2.3       Other Hazards       This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.       Image: Tele Phone         3.1       Substances Not applicable.       Image: Tele Phone       Image: Tele Phone         3.2       Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogenes at concentrations or	
Unit B37       Fax:       902-827-6402         Oakville, ON L6M 2V5       Email address:       Canada.inquiries@bio-techne.com         United Kingdom:       19 Barton Lane       Telephone:       44 (0)1235 529449         Abingdon, OX14 3NB       Email address:       info.emea@bio-techne.com         14       Emergency Telephone Number       Email address:       info.emea@bio-techne.com         14       Emergency Telephone Number       Emergency Tele:       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.       HAZARDS IDENTIFICATION       Emergency Tel:       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.       HAZARDS IDENTIFICATION       Emergency Tele:       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.       HAZARDS IDENTIFICATION       Email address:       info.emea@bio-techne.com         2.       HAZARDS IDENTIFICATION       Email address:       info.emea@bio-techne.com         2.1       Classification according to the Regulation (EC) No 1272/2008 Not Classified       Emergency Tele:       Info.emea@bio-techne.com         2.3       Other Hazards       Info.emea@bio-techne.com       Info.emea@bio-techne.com       Info.emea@bio-techne.com         3.1       Substances       Info.emea@bio-techne.com       Info.emea@bio-techne.com       Info.emea@bio-techne.com	
Oakville, ON L6M 2V5       Email address:       Canada inquiries@bio-techne.com         United Kingdom:       19 Barton Lane       Telephone:       44 (0)1235 529449         Abingdon, OX14 3NB       Email address:       info.emea@bio-techne.com         1.4       Emergency Telephone Number       Email address:       info.emea@bio-techne.com         2.       HAZARDS IDENTIFICATION       Emergency Tel:       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.       HAZARDS IDENTIFICATION       Email address:       Info.emea@bio-techne.com         2.       HAZARDS IDENTIFICATION       Email address:       Info.emea@bio-techne.com         2.1       Classification according to the Regulation (EC) No 1272/2008 Not Classified       Email address:       Info.emea@bio-techne.com         2.2       Label Elements       Email address:       Info.emea@bio-techne.com       Info.emea@bio-techne.com         2.3       Other Hazards       This substance/emixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.       Info.emea@bio-techne.com         3.1       Substances       Info.emea@bio-techne.com       Info.emea@bio-techne.com         3.2       Mixtures       This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrati	
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-techne.com         1.4       Emergency Telephone Number       Emergency Telephone Number         Emergency Tel:       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.       HAZARDS IDENTIFICATION         2.1       Classification of the substance or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified         2.2       Labelling according to Regulation (EC) No 1272/2008 Not Regulated         2.3       Other Hazards         This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.         3.1       Substances Not applicable.         3.2       Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or solutions of 1% or greater. This product is not known to contain carcinogens at concentrations or provements of 1% or greater. This product is not known to contain carcinogens at concentrations or provements of 1% or greater. This product is not known to contain carcinogens at concentrations or 1% or greater. This product is not known to contain carcinogens at concentrations or 1% or greater. This product is not k	
Abingdon Science Park Abingdon, OX14 3NB       Fax:       44 (0)1235 533420         Abingdon, OX14 3NB       Email address:       info.emea@bio-techne.com         1.4       Emergency Telephone Number Emergency Tel:       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.       HAZARDS IDENTIFICATION         2.1       Classification of the substance or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified         2.2       Label Elements Labelling according to Regulation (EC) No 1272/2008 Not Regulated         2.3       Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.         3.       COMPOSITION/INFORMATION ON INGREDIENTS         3.1       Substances Not applicable.         3.2       Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is	
Abingdon, OX14 3NB       Email address:       info.emea@bio-techne.com         1.4       Emergency Telephone Number       Emergency Telephone Number         Emergency Tel:       US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449         2.       HAZARDS IDENTIFICATION         2.1       Classification of the substance or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified         2.2       Label Elements Labelling according to Regulation (EC) No 1272/2008 Not Regulated         2.3       Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.         3.       COMPOSITION/INFORMATION ON INGREDIENTS         3.1       Substances Not applicable.         3.2       Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations o	
<ul> <li>1.4 Emergency Telephone Number Emergency Tel: US: 303-730-1950 or 868-506-6887 / Europe: +44(0)1235-529449</li> <li>2. HAZARDS IDENTIFICATION</li> <li>2.1 Classification of the substance or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified</li> <li>2.2 Label Elements Labelling according to Regulation (EC) No 1272/2008 Not Regulated</li> <li>2.3 Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.</li> <li>3. COMPOSITION/INFORMATION ON INGREDIENTS</li> <li>3.1 Substances Not applicable.</li> <li>3.2 Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens at concentrations or product is not known to contain carcinogens</li></ul>	
Emergency Tel: US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449   HAZARDS IDENTIFICATION  Classification according to the Regulation (EC) No 1272/2008 Not Classified  Labelling according to Regulation (EC) No 1272/2008 Not Classified  Classification according to Regulation (EC) No 1272/2008 Not Classified  Composition of the substance or mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.  COMPOSITION/INFORMATION ON INGREDIENTS  Substances Not applicable.  Composition of the substance or mixture contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater.	
<ul> <li>HAZARDS IDENTIFICATION</li> <li>Classification of the substance or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified</li> <li>Label Elements Labelling according to Regulation (EC) No 1272/2008 Not Regulated</li> <li>Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.</li> <li>COMPOSITION/INFORMATION ON INGREDIENTS</li> <li>Substances Not applicable.</li> <li>Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or</li> </ul>	
<ul> <li>Classification of the substance or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified</li> <li>Label Elements Labelling according to Regulation (EC) No 1272/2008 Not Regulated</li> <li>Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.</li> <li>COMPOSITION/INFORMATION ON INGREDIENTS</li> <li>Substances Not applicable.</li> <li>Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or solution or solution or solution of 1% or greater.</li> </ul>	
<ul> <li>Classification of the substance or mixture Classification according to the Regulation (EC) No 1272/2008 Not Classified</li> <li>Label Elements Labelling according to Regulation (EC) No 1272/2008 Not Regulated</li> <li>Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.</li> <li>COMPOSITION/INFORMATION ON INGREDIENTS</li> <li>Substances Not applicable.</li> <li>Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or solver and the product is not known to contain carcinogens at concentrations or</li></ul>	
Classification according to the Regulation (EC) No 1272/2008 Not Classified 2.2 Label Elements Labelling according to Regulation (EC) No 1272/2008 Not Regulated 2.3 Other Hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher. 3. COMPOSITION/INFORMATION ON INGREDIENTS 3.1 Substances Not applicable. 3.2 Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations or solution of the product is not known to contain carcinogens at concentrations or solution.	
<ul> <li>Labelling according to Regulation (EC) No 1272/2008 Not Regulated</li> <li>Other Hazards         <ul> <li>This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher.</li> </ul> </li> <li>COMPOSITION/INFORMATION ON INGREDIENTS</li> <li>Substances         <ul> <li>Not applicable.</li> <li>Mixtures                 <ul></ul></li></ul></li></ul>	
<ul> <li>2.3 Other Hazards         This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative or higher.     </li> <li>3. COMPOSITION/INFORMATION ON INGREDIENTS         3.1 Substances         Not applicable.         3.2 Mixtures         This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater.     </li> </ul>	
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumu or higher. 3. COMPOSITION/INFORMATION ON INGREDIENTS 3.1 Substances Not applicable. 3.2 Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater.	
or higher.  3. COMPOSITION/INFORMATION ON INGREDIENTS  3.1 Substances Not applicable.  3.2 Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater.	
<ul> <li>Substances         Not applicable.         </li> <li>Mixtures         This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater.     </li> </ul>	ative (vPvB) at levels of 0.1%
Not applicable. 3.2 Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of	
3.2 Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater.	
3.2 Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater.	
This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 1% or greater.	
4. FIRST AID MEASURES	0.1% or greater.
4.1 Description of first aid measures	
General Advice	
Consult a doctor and show this safety data sheet.	
If Inhaled Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.	
In Case of Skin Contact	
Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. ( In Case of Eye Contact	
Flush with copious amounts of water for at least 15 minutes. Consult a doctor.	onsult a doctor.
If Swallowed Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Co	onsult a doctor.
4.2 Most important symptoms and effects, both acute and delayed	
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.	
4.3 Indication of immediate medical attention and special treatment needed	
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.	

# 5. FIRE-FIGHTING MEASURES

# 5.1 Extinguishing Media

#### Suitable extinguishing media

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

## 5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx)

## 5.3 Precautions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary

#### 6. ACCIDENTIAL RELEASE MEASURES

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

Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

#### 6.2 Environmental precautions

Do not let product enter drains.

## 6.3 Methods and materials for containment and cleaning up

Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.

### 6.4 Reference to other sections

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

#### 7. HANDLING AND STORAGE

# 7.1 Precautions for safe handling

Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

## 7.3 Specific end uses

Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

## **Appropriate Engineering Controls**

Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

#### **Personal Protective Equipment**

Eye / Face Protection

#### Use appropriate safety glasses.

## **Skin Protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves must satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. **Body Protection** 

Wear appropriate protective clothing.

#### **Respiratory Protection**

For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

information on bablo physical and onorme	ai pi opoi lico		
Appearance	clear liquid	Vapor Pressure	No data available.
Odor	Little to none	Vapor Density	No data available.
Odor Threshold	No data available.	Relative Density	No data available.
pH	No data available.	Solubility(ies)	No data available.
Melting / Freezing Point	No data available.	Partition Coefficient	No data available.
Boiling Point / Range	No data available.	Autoignition Temperature	No data available.
Flash Point	No data available.	Decomposition Temperature	No data available.
Evaporation Rate	No data available.	Viscosity	No data available.
Flammability (Solid, Gas)	No data available.	Explosive Properties	No data available.
Upper / Lower Flammability or Explosive Limits	No data available.	Oxidizing Properties	No data available.

9.2 Other safety information

## 10. STABILITY AND REACTIVITY

- 10.1 Reactivity
- No data available.
- 10.2 Chemical stability
- No data available.
- 10.3 Possibility of hazardous reactions
- No data available.

10.4 Conditions to avoid

No data available.

# 10.5 Incompatible materials

Strong oxidizing agents.

# 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx). In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

Acute Toxicity

Chamical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LD50 (inhalation, rat)
Urea	8.471 mg/kg (Rat)	>2000 mg/kg (Rat)	4h, > 0,83mg/l (Rat)
Disodium hydrogenorthophosphate	> 2000mg/kg (Rat)	>2000 mg/kg (Rat)	4h, > 0,83mg/l (Rat)
Sodium chloride	> 2000mg/kg (Rat)	>10000 mg/kg (Kanin)	1h, > 42 mg/l (Rat)

#### Skin Corrosion / Irritation

Classified based on available data

Serious Eye Damage / Irritation

Classified based on available data

Respiratory or Skin Sensitization

Classified based on available data

# Germ Cell Mutagenicity

Classified based on available data

# Carcinogenicity

Classified based on available data

**Reproductive Toxicity** 

Classified based on available data

Specific Target Organ Toxicity - Single Exposure

Classified based on available data

## Specific Target Organ Toxicity - Repeated Exposure

Classified based on available data

## Aspiration Hazard

Classified based on available data

## Symptoms / Routes of Exposure

Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Ingestion:	There may be irritation of the throat.
Skin:	There may be mild irritation at the site of contact.
Eyes:	There may be irritation and redness.
Delayed / Immediate Effects:	No known symptoms.

#### Additional Information

Classified based on available data

## 12. ECOLOGICAL INFORMATION

Toxicity to fish flow-through test LC50 - Lepomis macrochirus (Bluegill) - 5.840 mg/l - 96 h (Sodium chloride) Remarks: (ECHA) No data available semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 203) semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h (Urea) (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates static test LC50 - Daphnia magna (Water flea) - 4.136 mg/l - 48 h (Sodium chloride) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (DECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (DECD Test Guideline 202) static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Disodium hydrogenorthophosphate) (DECD Test Guideline

Toxicity to algae static test EC50 - Nitzschia sp. - 2.430 mg/l - 120 h (Sodium chloride) (OECD Test Guideline 201) static test ErC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 201) static test ErC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 48 h (Urea) (OECD Test Guideline 201)

Toxicity to bacteria static test EC50 - activated sludge - > 1.000 mg/l - 3 h (Disodium hydrogenorthophosphate) (OECD Test Guideline 209) static test EC50 - activated sludge - > 1.000 mg/l - 3 h (Urea) (OECD Test Guideline 209)

12.2 Persistence and degradability

No data available.

- 12.3 Bioaccumulative potential
- No data available.
- 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

No data available Discharge into the environment must be avoided. Discharge into the environment must be avoided. No data available Discharge into the environment must be avoided. Depending on the concentration, phosphates may contribute to the eutrophication of water supplies. Discharge into the environment must be avoided.

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **Contaminated Packaging**

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

## 14. TRANSPORT INFORMATION

Not regulated for Land Transport (ADR/RID), for Sea Transport (IMDG) or for Air Transport (IATA).

#### 14.1 UN-Number

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

## 14.2 UN proper shipping name

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

#### 14.3 Transport hazard class(es)

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

#### 14.4 Packaging group

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

#### 14.5 Environmental hazards

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

#### 14.6 Special precautions for users

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

## Additional Transport Information

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

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

TSCA (Toxic Substances Control Act) : Not applicable.

SARA 313 : Not applicable.

SARA 311/312 : Not applicable.

CERCLA Reportable Quantity : Not applicable.

California Proposition 65 : Not applicable.

## 15.2 Chemical safety assessment

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

#### 16. OTHER INFORMATION

## Further Information

Copyright © 2020 Novus Biologicals a Bio-Techne Brand

This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet