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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II

## SAFETY DATA SHEET

### Alexa Fluor® 594-Conjugated Antibody, Streptavidin, and Purified Serum Protein, freeze-dried with preservative

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

**1.1 Product identifier**

**Product name:** Alexa Fluor® 594-Conjugated Antibodies, Streptavidin, and Purified Serum Proteins, freeze-dried with preservative

**Product code:**

|             |             |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 001-580-003 | 109-585-098 | 112-585-072 | 115-586-008 | 304-585-003 | 304-585-003 | 705-585-147 |
| 003-580-003 | 109-585-127 | 112-585-075 | 115-586-020 | 304-585-008 | 304-585-008 | 705-586-147 |
| 005-580-003 | 109-585-129 | 112-585-143 | 115-586-062 | 305-585-003 | 305-585-003 | 706-585-148 |
| 009-580-003 | 109-586-003 | 112-585-167 | 115-586-068 | 305-585-006 | 305-585-006 | 706-586-148 |
| 011-580-003 | 109-586-006 | 112-585-175 | 115-586-071 | 305-585-008 | 305-585-008 | 709-585-073 |
| 012-580-003 | 109-586-008 | 112-586-003 | 115-586-072 | 305-585-045 | 305-585-045 | 709-585-098 |
| 013-580-003 | 109-586-064 | 112-586-062 | 115-586-075 | 305-585-046 | 305-585-046 | 709-585-149 |
| 015-580-003 | 109-586-088 | 112-586-068 | 115-587-003 | 305-585-047 | 305-585-047 | 709-586-073 |
| 016-580-084 | 109-586-097 | 112-586-071 | 115-587-020 | 305-586-003 | 305-586-003 | 709-586-098 |
| 017-580-003 | 109-586-098 | 112-586-072 | 123-585-021 | 305-586-006 | 305-586-006 | 709-586-149 |
| 101-585-003 | 109-586-127 | 112-586-075 | 127-585-099 | 305-586-008 | 305-586-008 | 711-585-152 |
| 101-585-165 | 109-586-129 | 112-587-003 | 127-585-160 | 305-586-045 | 305-586-045 | 711-586-152 |
| 101-586-003 | 109-587-003 | 114-585-003 | 200-582-037 | 305-586-046 | 305-586-046 | 711-587-003 |
| 102-585-003 | 109-587-043 | 115-585-003 | 200-582-156 | 305-586-047 | 305-586-047 | 712-585-150 |
| 102-585-006 | 111-585-003 | 115-585-006 | 200-582-211 | 305-587-003 | 305-587-003 | 712-585-153 |
| 102-585-008 | 111-585-006 | 115-585-008 | 205-582-176 | 307-585-003 | 307-585-003 | 712-586-150 |
| 103-585-155 | 111-585-008 | 115-585-020 | 205-585-108 | 307-586-003 | 307-586-003 | 712-586-153 |
| 106-585-003 | 111-585-045 | 115-585-044 | 209-585-082 | 308-585-003 | 308-585-003 | 712-587-003 |
| 106-585-006 | 111-585-046 | 115-585-062 | 209-585-088 | 309-585-003 | 309-585-003 | 713-585-003 |
| 106-585-008 | 111-585-047 | 115-585-068 | 209-585-097 | 309-585-006 | 309-585-006 | 713-585-147 |
| 106-586-003 | 111-585-144 | 115-585-071 | 209-585-098 | 309-585-008 | 309-585-008 | 713-586-147 |
| 107-585-142 | 111-586-003 | 115-585-072 | 211-582-171 | 309-585-011 | 309-585-011 | 715-585-020 |
| 107-586-142 | 111-586-045 | 115-585-075 | 211-585-109 | 309-585-015 | 309-585-015 | 715-585-140 |
| 108-585-003 | 111-586-046 | 115-585-146 | 212-585-082 | 309-585-064 | 309-585-064 | 715-585-150 |
| 108-585-008 | 111-586-047 | 115-585-164 | 212-585-104 | 309-585-082 | 309-585-082 | 715-585-151 |
| 108-586-003 | 111-587-003 | 115-585-166 | 212-585-106 | 309-585-095 | 309-585-095 | 715-586-020 |
| 109-585-003 | 112-585-003 | 115-585-174 | 212-585-168 | 309-585-107 | 309-585-107 | 715-586-150 |
| 109-585-006 | 112-585-006 | 115-585-205 | 212-586-168 | 309-586-003 | 309-586-003 | 715-586-151 |
| 109-585-008 | 112-585-008 | 115-585-206 | 213-582-177 | 309-586-008 | 309-586-008 | 715-587-003 |
| 109-585-011 | 112-585-020 | 115-585-207 | 301-585-003 | 309-586-043 | 309-586-043 | 805-585-180 |
| 109-585-044 | 112-585-044 | 115-585-208 | 303-585-003 | 312-585-003 | 312-585-003 | .           |
| 109-585-064 | 112-585-062 | 115-585-209 | 303-585-006 | 312-585-020 | 312-585-020 | .           |
| 109-585-088 | 112-585-068 | 115-586-003 | 303-585-008 | 312-585-044 | 312-585-044 | .           |
| 109-585-097 | 112-585-071 | 115-586-006 | 303-586-003 | 312-585-045 | 312-585-045 | .           |

**SDS #:** 14EU

**Product description:**

|             |  |
|-------------|--|
| 001-580-003 | Alexa Fluor® 594-ChromPure Bovine IgG, whole molecule  |
| 003-580-003 | Alexa Fluor® 594-ChromPure Chicken IgY (IgG), whole molecule   |
| 005-580-003 | Alexa Fluor® 594-ChromPure Goat IgG, whole molecule  |
| 009-580-003 | Alexa Fluor® 594-ChromPure Human IgG, whole molecule   |
| 011-580-003 | Alexa Fluor® 594-ChromPure Rabbit IgG, whole molecule  |
| 012-580-003 | Alexa Fluor® 594-ChromPure Rat IgG, whole molecule   |
| 013-580-003 | Alexa Fluor® 594-ChromPure Sheep IgG, whole molecule   |
| 015-580-003 | Alexa Fluor® 594-ChromPure Mouse IgG, whole molecule   |
| 016-580-084 | Alexa Fluor® 594-Streptavidin  |
| 017-580-003 | Alexa Fluor® 594-ChromPure Donkey IgG, whole molecule  |
| 101-585-003 | Alexa Fluor® 594-AffiniPure Goat Anti-Bovine IgG (H+L)   |
| 101-585-165 | Alexa Fluor® 594-AffiniPure Goat Anti-Bovine IgG (H+L) (min X Ar Hms,Hu,Ms,Rat Sr Prot)  |
| 101-586-003 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Goat Anti-Bovine IgG (H+L)  |
| 102-585-003 | Alexa Fluor® 594-AffiniPure Goat Anti-Cat IgG (H+L)  |
| 102-585-006 | Alexa Fluor® 594-AffiniPure Goat Anti-Cat IgG, F(ab') <sub>2</sub> Fragment Specific   |
| 102-585-008 | Alexa Fluor® 594-AffiniPure Goat Anti-Cat IgG, Fc Fragment Specific  |
| 103-585-155 | Alexa Fluor® 594-AffiniPure Goat Anti-Chicken IgY (IgG) (H+L) (min X Bov,Gt,GF,Sy Hms,Hrs,Hu,Ms,Rb,Rat,Shp Sr Prot)              |
| 106-585-003 | Alexa Fluor® 594-AffiniPure Goat Anti-Guinea Pig IgG (H+L)   |
| 106-585-006 | Alexa Fluor® 594-AffiniPure Goat Anti-Guinea Pig IgG, F(ab') <sub>2</sub> Fragment Specific                                      |
| 106-585-008 | Alexa Fluor® 594-AffiniPure Goat Anti-Guinea Pig IgG, Fc Fragment Specific   |
| 106-586-003 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Goat Anti-Guinea Pig IgG (H+L)  |
| 107-585-142 | Alexa Fluor® 594-AffiniPure Goat Anti-Syrian Hamster IgG (H+L) (min X Bov,Hrs,Hu,Ms,Rb,Rat Sr Prot)                              |
| 107-586-142 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Goat Anti-Syrian Hamster IgG (H+L) (min X Bov,Hrs,Hu,Ms,Rb,Rat Sr Prot) |
| 108-585-003 | Alexa Fluor® 594-AffiniPure Goat Anti-Horse IgG (H+L)  |
| 108-585-008 | Alexa Fluor® 594-AffiniPure Goat Anti-Horse IgG, Fc Fragment Specific  |
| 108-586-003 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Goat Anti-Horse IgG (H+L)   |
| 109-585-003 | Alexa Fluor® 594-AffiniPure Goat Anti-Human IgG (H+L)  |
| 109-585-006 | Alexa Fluor® 594-AffiniPure Goat Anti-Human IgG, F(ab') <sub>2</sub> Fragment Specific   |
| 109-585-008 | Alexa Fluor® 594-AffiniPure Goat Anti-Human IgG, Fc Fragment Specific  |
| 109-585-011 | Alexa Fluor® 594-AffiniPure Goat Anti-Human Serum IgA, α Chain Specific  |
| 109-585-044 | Alexa Fluor® 594-AffiniPure Goat Anti-Human IgG + IgM (H+L)  |
| 109-585-064 | Alexa Fluor® 594-AffiniPure Goat Anti-Human IgA + IgG + IgM (H+L)  |
| 109-585-088 | Alexa Fluor® 594-AffiniPure Goat Anti-Human IgG (H+L) (min X Bov,Hrs,Ms Sr Prot)   |
| 109-585-097 | Alexa Fluor® 594-AffiniPure Goat Anti-Human IgG, F(ab') <sub>2</sub> Fragment Specific (min X Bov,Hrs,Ms Sr Prot)                |

109-585-098 Alexa Fluor® 594-AffiniPure Goat Anti-Human IgG, Fcy Fragment Specific (min X Bov,Hrs,Ms Sr Prot)

109-585-127 Alexa Fluor® 594-AffiniPure Goat Anti-Human IgG + IgM (H+L) (min x Bov Sr Prot)

109-585-129 Alexa Fluor® 594-AffiniPure Goat Anti-Human IgM, Fc5µ Fragment Specific (min X Bov Sr Prot)

109-586-003 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgG (H+L)

109-586-006 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgG, F(ab')2 Fragment Specific

109-586-008 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgG, Fcy Fragment Specific

109-586-064 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgA + IgG + IgM (H+L)

109-586-088 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgG (H+L) (min X Bov,Hrs,Ms Sr Prot)

109-586-097 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgG, F(ab')2 Fragment Specific (min X Bov,Hrs,Ms Sr Prot)

109-586-098 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgG, Fcy Fragment Specific (min X Bov,Hrs,Ms Sr Prot)

109-586-127 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgG + IgM (H+L) (min X Bov Sr Prot)

109-586-129 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Human IgM, Fc5µ Fragment Specific (min X Bov Sr Prot)

109-587-003 Alexa Fluor® 594-AffiniPure Fab Fragment Goat Anti-Human IgG (H+L)

109-587-043 Alexa Fluor® 594-AffiniPure Fab Fragment Goat Anti-Human IgM, Fc5µ Fragment Specific

111-585-003 Alexa Fluor® 594-AffiniPure Goat Anti-Rabbit IgG (H+L)

111-585-006 Alexa Fluor® 594-AffiniPure Goat Anti-Rabbit IgG, F(ab')2 Fragment Specific

111-585-008 Alexa Fluor® 594-AffiniPure Goat Anti-Rabbit IgG, Fc Fragment Specific

111-585-045 Alexa Fluor® 594-AffiniPure Goat Anti-Rabbit IgG (H+L) (min X Hu Sr Prot)

111-585-046 Alexa Fluor® 594-AffiniPure Goat Anti-Rabbit IgG, Fc Fragment Specific (min X Hu Sr Prot)

111-585-047 Alexa Fluor® 594-AffiniPure Goat Anti-Rabbit IgG, F(ab')2 Fragment Specific (min X Hu Sr Prot)

111-585-144 Alexa Fluor® 594-AffiniPure Goat Anti-Rabbit IgG (H+L) (min X Hu,Ms,Rat Sr Prot)

111-586-003 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rabbit IgG (H+L)

111-586-045 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rabbit IgG (H+L) (min X Hu Sr Prot)

111-586-046 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rabbit IgG, Fc Fragment Specific (min X Hu Sr Prot)

111-586-047 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rabbit IgG, F(ab')2 Fragment Specific (min X Hu Sr Prot)

111-587-003 Alexa Fluor® 594-AffiniPure Fab Fragment Goat Anti-Rabbit IgG (H+L)

112-585-003 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG (H+L)

112-585-006 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG, F(ab')2 Fragment Specific

112-585-008 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG, Fcy Fragment Specific

112-585-020 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgM, µ Chain Specific

112-585-044 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG + IgM (H+L)

112-585-062 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)

112-585-068 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG + IgM (H+L) (min X Hu,Bov,Hrs Sr Prot)

112-585-071 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG, Fcy Fragment Specific (min X Hu,Bov,Hrs Sr Prot)

112-585-072 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG, F(ab')2 Fragment Specific (min X Hu,Bov,Hrs Sr Prot)

112-585-075 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgM, µ Chain Specific (min X Hu,Bov,Hrs Sr Prot)

112-585-143 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs,Rb Sr Prot)

112-585-167 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG (H+L) (min X Ms,Hu,Bov,Hrs,Rb Sr Prot)

112-585-175 Alexa Fluor® 594-AffiniPure Goat Anti-Rat IgG, Light Chain\* Specific (min X Bov,Gt,Hrs,Hu,Ms,Rb,Shp Ig)

112-586-003 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rat IgG (H+L)

112-586-062 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)

112-586-068 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rat IgG + IgM (H+L) (min X Hu,Bov,Hrs Sr Prot)

112-586-071 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rat IgG, Fcy Fragment Specific (min X Hu,Bov,Hrs Sr Prot)

112-586-072 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rat IgG, F(ab')2 Fragment Specific (min X Hu,Bov,Hrs Sr Prot)

112-586-075 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Rat IgM, µ Chain Specific (min X Hu,Bov,Hrs Sr Prot)

112-587-003 Alexa Fluor® 594-AffiniPure Fab Fragment Goat Anti-Rat IgG (H+L)

114-585-003 Alexa Fluor® 594-AffiniPure Goat Anti-Swine IgG (H+L)

115-585-003 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG (H+L)

115-585-006 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, F(ab')2 Fragment Specific

115-585-008 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, Fcy Fragment Specific

115-585-020 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgM, µ Chain Specific

115-585-044 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG + IgM (H+L)

115-585-062 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)

115-585-068 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG + IgM (H+L) (min X Hu,Bov,Hrs Sr Prot)

115-585-071 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, Fcy Fragment Specific (min X Hu,Bov,Hrs Sr Prot)

115-585-072 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, F(ab')2 Fragment Specific (min X Hu,Bov,Hrs Sr Prot)

115-585-075 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgM, µ Chain Specific (min X Hu,Bov,Hrs Sr Prot)

115-585-146 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs,Rb,Sw Sr Prot)

115-585-164 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG (subclasses 1+2a+2b+3) Fcy Fragment Specific (min X Hu,Bov,Rb Sr Prot)

115-585-166 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG (H+L) (min X Rat,Hu,Bov,Hrs,Rb Sr Prot)

115-585-174 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, Light Chain\* Specific (min X Bov,Gt,Hrs,Hu,Rb,Rat,Shp Ig)

115-585-205 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, Fcy Subclass 1 Specific (min X Hu,Bov,Rb Sr Prot)

115-585-206 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, Fcy Subclass 2a Specific (min X Hu,Bov,Rb Sr Prot)

115-585-207 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, Fcy Subclass 2b Specific (min X Hu,Bov,Rb Sr Prot)

115-585-208 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, Fcy Subclass 2c Specific (min X Hu,Bov,Rb Sr Prot)

115-585-209 Alexa Fluor® 594-AffiniPure Goat Anti-Mouse IgG, Fcy Subclass 3 Specific (min X Hu,Bov,Rb Sr Prot)

115-586-003 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgG (H+L)

115-586-006 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgG, F(ab')2 Fragment Specific

115-586-008 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgG, Fcy Fragment Specific

115-586-020 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgM, µ Chain Specific

115-586-062 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)

115-586-068 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgG + IgM (H+L) (min X Hu,Bov,Hrs Sr Prot)

115-586-071 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgG, Fcy Fragment Specific (min X Hu,Bov,Hrs Sr Prot)

115-586-072 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgG, F(ab')2 Fragment Specific (min X Hu,Bov,Hrs Sr Prot)

115-586-075 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Goat Anti-Mouse IgM, µ Chain Specific (min X Hu,Bov,Hrs Sr Prot)

115-587-003 Alexa Fluor® 594-AffiniPure Fab Fragment Goat Anti-Mouse IgG (H+L)

115-587-020 Alexa Fluor® 594-AffiniPure Fab Fragment Goat Anti-Mouse IgM, µ Chain Specific

123-585-021 Alexa Fluor® 594-AffiniPure Goat Anti-Horseradish Peroxidase

127-585-099 Alexa Fluor® 594-AffiniPure Goat Anti-Armenian Hamster IgG (H+L) (min X Bov Sr Prot)

127-585-160 Alexa Fluor® 594-AffiniPure Goat Anti-Armenian Hamster IgG (H+L) (min X Bov,Hu,Ms,Rb,Rat Sr Prot)

200-582-037 Alexa Fluor® 594-IgG Fraction Monoclonal Mouse Anti-Fluorescein (FITC)

200-582-156 Alexa Fluor® 594-IgG Fraction Monoclonal Mouse Anti-Digoxin

200-582-211 Alexa Fluor® 594-IgG Fraction Monoclonal Mouse Anti-Biotin

205-582-176 Alexa Fluor® 594-IgG Fraction Monoclonal Mouse Anti-Goat IgG, Light Chain Specific (min X Hrs,Hu,Ms,Rb,Rat Ig)

205-585-108 Alexa Fluor® 594-AffiniPure Mouse Anti-Goat IgG (H+L) (min X Ms,Hu,Rb Sr Prot)

209-585-082 Alexa Fluor® 594-AffiniPure Mouse Anti-Human IgG (H+L) (min X Ms Sr Prot)

209-585-088 Alexa Fluor® 594-AffiniPure Mouse Anti-Human IgG (H+L) (min X Bov,Hrs,Ms Sr Prot)

209-585-097 Alexa Fluor® 594-AffiniPure Mouse Anti-Human IgG, F(ab')2 Fragment Specific (min X Bov,Hrs,Ms Sr Prot)

209-585-098 Alexa Fluor® 594-AffiniPure Mouse Anti-Human IgG, Fcy Fragment Specific (min X Bov,Hrs,Ms Sr Prot)

211-582-171 Alexa Fluor® 594-IgG Fraction Monoclonal Mouse Anti-Rabbit IgG, Light Chain Specific (min X Bov,Gt,Arm Hms,Hrs,Hu,Ms,Rat,Shp Ig)

211-585-109 Alexa Fluor® 594-AffiniPure Mouse Anti-Rabbit IgG (H+L) (min X Hu,Gt,Ms,Shp Sr Prot)

212-585-082 Alexa Fluor® 594-AffiniPure Mouse Anti-Rat IgG (H+L) (min X Ms Sr Prot)

212-585-104 Alexa Fluor® 594-AffiniPure Mouse Anti-Rat IgG, Fcy Fragment Specific (min X Hu,Bov,Hrs,Ms Sr Prot)

212-585-106 Alexa Fluor® 594-AffiniPure Mouse Anti-Rat IgG, F(ab')2 Fragment Specific (min X Hu,Bov,Hrs,Ms Sr Prot)

212-585-168 Alexa Fluor® 594-AffiniPure Mouse Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs,Ms,Gt,Rb Sr Prot)

212-586-168 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Mouse Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs,Ms,Gt,Rb Sr Prot)

213-582-177 Alexa Fluor® 594-IgG Fraction Monoclonal Mouse Anti-Sheep IgG, Light Chain Specific (min X Bov,Hrs,Hu,Ms,Rb,Rat Ig)

301-585-003 Alexa Fluor® 594-AffiniPure Rabbit Anti-Bovine IgG (H+L)

303-585-003 Alexa Fluor® 594-AffiniPure Rabbit Anti-Chicken IgY (IgG) (H+L)

303-585-006 Alexa Fluor® 594-AffiniPure Rabbit Anti-Chicken IgY (IgG), F(ab')2 Fragment Specific

303-585-008 Alexa Fluor® 594-AffiniPure Rabbit Anti-Chicken IgY (IgG), Fc Fragment Specific

303-586-003 Alexa Fluor® 594-AffiniPure F(ab')2 Fragment Rabbit Anti-Chicken IgY (IgG) (

|             |  |
|-------------|--|
| 304-585-003 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Dog IgG (H+L)  |
| 304-585-008 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Dog IgG, Fc Fragment Specific  |
| 305-585-003 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Goat IgG (H+L)   |
| 305-585-006 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Goat IgG, F(ab') <sub>2</sub> Fragment Specific  |
| 305-585-008 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Goat IgG, Fc Fragment Specific   |
| 305-585-045 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Goat IgG (H+L) (min X Hu Sr Prot)  |
| 305-585-046 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Goat IgG, Fc Fragment Specific (min X Hu Sr Prot)  |
| 305-585-047 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Goat IgG, F(ab') <sub>2</sub> Fragment Specific (min X Hu Sr Prot)   |
| 305-586-003 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Goat IgG (H+L)  |
| 305-586-006 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Goat IgG, F(ab') <sub>2</sub> Fragment Specific   |
| 305-586-008 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Goat IgG, Fc Fragment Specific  |
| 305-586-045 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Goat IgG (H+L) (min X Hu Sr Prot)   |
| 305-586-046 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Goat IgG, Fc Fragment Specific (min X Hu Sr Prot)                                       |
| 305-586-047 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Goat IgG, F(ab') <sub>2</sub> Fragment Specific (min X Hu Sr Prot)                      |
| 305-587-003 | Alexa Fluor® 594-AffiniPure Fab Fragment Rabbit Anti-Goat IgG (H+L)  |
| 307-585-003 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Syrian Hamster IgG (H+L)   |
| 307-586-003 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Syrian Hamster IgG (H+L)  |
| 308-585-003 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Horse IgG (H+L)  |
| 309-585-003 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human IgG (H+L)  |
| 309-585-006 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human IgG, F(ab') <sub>2</sub> Fragment Specific   |
| 309-585-008 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human IgG, Fcγ Fragment Specific   |
| 309-585-011 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human Serum IgA, α Chain Specific  |
| 309-585-015 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human Lactoferrin  |
| 309-585-064 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human IgA+IgG+IgM (H+L)  |
| 309-585-082 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human IgG (H+L) (min X Ms Sr Prot)   |
| 309-585-095 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human IgM, Fc5μ Fragment Specific (min X Ms Sr Prot)   |
| 309-585-107 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Human IgG + IgM (H+L) (min X Ms Sr Prot)   |
| 309-586-003 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Human IgG (H+L)   |
| 309-586-008 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Human IgG, Fcγ Fragment Specific  |
| 309-586-043 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Human IgM, Fc5μ Fragment Specific   |
| 312-585-003 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Rat IgG (H+L)  |
| 312-585-020 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Rat IgM, μ Chain Specific  |
| 312-585-044 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Rat IgG + IgM (H+L)  |
| 312-585-045 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Rat IgG (H+L) (min X Hu Sr Prot)   |
| 312-585-046 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Rat IgG, Fcγ Fragment Specific (min X Hu Sr Prot)  |
| 312-585-047 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Rat IgG, F(ab') <sub>2</sub> Fragment Specific (min X Hu Sr Prot)  |
| 312-585-048 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Rat IgG + IgM (H+L) (min X Hu Sr Prot)   |
| 312-585-049 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Rat IgM, μ Chain Specific (min X Hu Sr Prot)   |
| 312-586-045 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Rat IgG (H+L) (min X Hu Sr Prot)  |
| 313-585-003 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Sheep IgG (H+L)  |
| 313-585-045 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Sheep IgG (H+L) (min X Hu Sr Prot)   |
| 313-585-046 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Sheep IgG, Fc Fragment Specific (min X Hu Sr Prot)   |
| 313-585-047 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Sheep IgG, F(ab') <sub>2</sub> Fragment Specific (min X Hu Sr Prot)  |
| 313-586-003 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Sheep IgG (H+L)   |
| 313-587-003 | Alexa Fluor® 594-AffiniPure Fab Fragment Rabbit Anti-Sheep IgG (H+L)   |
| 315-585-003 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgG (H+L)  |
| 315-585-006 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgG, F(ab') <sub>2</sub> Fragment Specific   |
| 315-585-008 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgG, Fcγ Fragment Specific   |
| 315-585-020 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgM, μ Chain Specific  |
| 315-585-044 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgG + IgM (H+L)  |
| 315-585-045 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgG (H+L) (min X Hu Sr Prot)   |
| 315-585-046 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgG, Fcγ Fragment Specific (min X Hu Sr Prot)  |
| 315-585-047 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgG, F(ab') <sub>2</sub> Fragment Specific (min X Hu Sr Prot)  |
| 315-585-048 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgG + IgM (H+L) (min X Hu Sr Prot)   |
| 315-585-049 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Mouse IgM, μ Chain Specific (min X Hu Sr Prot)   |
| 315-586-003 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Mouse IgG (H+L)   |
| 315-586-045 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Mouse IgG (H+L) (min X Hu Sr Prot)  |
| 315-586-046 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Mouse IgG, Fcγ Fragment Specific (min X Hu Sr Prot)                                     |
| 315-586-047 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Rabbit Anti-Mouse IgG, F(ab') <sub>2</sub> Fragment Specific (min X Hu Sr Prot)                     |
| 315-587-003 | Alexa Fluor® 594-AffiniPure Fab Fragment Rabbit Anti-Mouse IgG (H+L)   |
| 323-585-021 | Alexa Fluor® 594-AffiniPure Rabbit Anti-Horseradish Peroxidase   |
| 415-585-166 | Alexa Fluor® 594-AffiniPure Rat Anti-Mouse IgG (H+L) (min X Hu, Bov, Hrs, Rat, Rb Sr Prot)   |
| 515-585-003 | Alexa Fluor® 594-AffiniPure Sheep Anti-Mouse IgG (H+L)   |
| 515-585-062 | Alexa Fluor® 594-AffiniPure Sheep Anti-Mouse IgG (H+L) (min X Hu, Bov, Hrs Sr Prot)  |
| 515-585-072 | Alexa Fluor® 594-AffiniPure Sheep Anti-Mouse IgG, F(ab') <sub>2</sub> Fragment Specific (min X Hu, Bov, Hrs Sr Prot)   |
| 703-585-155 | Alexa Fluor® 594-AffiniPure Donkey Anti-Chicken IgY (IgG) (H+L) (min X Bov, Gt, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat, Shp Sr Prot)                               |
| 703-586-155 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Chicken IgY (IgG) (H+L) (min X Bov, Gt, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat, Shp Sr Prot)  |
| 705-585-003 | Alexa Fluor® 594-AffiniPure Donkey Anti-Goat IgG (H+L)   |
| 705-585-147 | Alexa Fluor® 594-AffiniPure Donkey Anti-Goat IgG (H+L) (min X Ck, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat Sr Prot)  |
| 705-586-147 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Goat IgG (H+L) (min X Ck, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat Sr Prot)                     |
| 706-585-148 | Alexa Fluor® 594-AffiniPure Donkey Anti-Guinea Pig IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat, Shp Sr Prot)                              |
| 706-586-148 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Guinea Pig IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat, Shp Sr Prot) |
| 709-585-073 | Alexa Fluor® 594-AffiniPure Donkey Anti-Human IgM, Fc5μ Fragment Specific (min X Bov, Hrs Sr Prot)   |
| 709-585-098 | Alexa Fluor® 594-AffiniPure Donkey Anti-Human IgG, Fcγ Fragment Specific (min X Bov, Hrs, Ms Sr Prot)  |
| 709-585-149 | Alexa Fluor® 594-AffiniPure Donkey Anti-Human IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Ms, Rb, Rat, Shp Sr Prot)                                       |
| 709-586-073 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Human IgM, Fc5μ Fragment Specific (min X Bov, Hrs Sr Prot)                              |
| 709-586-098 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Human IgG, Fcγ Fragment Specific (min X Bov, Hrs, Ms Sr Prot)                           |
| 709-586-149 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Human IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Ms, Rb, Rat, Shp Sr Prot)          |
| 711-585-152 | Alexa Fluor® 594-AffiniPure Donkey Anti-Rabbit IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat, Shp Sr Prot)                                  |
| 711-586-152 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Rabbit IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat, Shp Sr Prot)     |
| 711-587-003 | Alexa Fluor® 594-AffiniPure Fab Fragment Donkey Anti-Rabbit IgG (H+L)  |
| 712-585-150 | Alexa Fluor® 594-AffiniPure Donkey Anti-Rat IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Rb, Shp Sr Prot)  |
| 712-585-153 | Alexa Fluor® 594-AffiniPure Donkey Anti-Rat IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Ms, Rb, Shp Sr Prot)  |
| 712-586-150 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Rat IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Rb, Shp Sr Prot)                 |
| 712-586-153 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Rat IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Ms, Rb, Shp Sr Prot)             |
| 712-587-003 | Alexa Fluor® 594-AffiniPure Fab Fragment Donkey Anti-Rat IgG (H+L)   |
| 713-585-003 | Alexa Fluor® 594-AffiniPure Donkey Anti-Sheep IgG (H+L)  |
| 713-585-147 | Alexa Fluor® 594-AffiniPure Donkey Anti-Sheep IgG (H+L) (min X Ck, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat Sr Prot)   |
| 713-586-147 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Sheep IgG (H+L) (min X Ck, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat Sr Prot)                    |
| 715-585-020 | Alexa Fluor® 594-AffiniPure Donkey Anti-Mouse IgM, μ Chain Specific  |
| 715-585-140 | Alexa Fluor® 594-AffiniPure Donkey Anti-Mouse IgM, μ Chain Specific (min X Hu, Bov, Hrs, Rat Sr Prot)  |
| 715-585-150 | Alexa Fluor® 594-AffiniPure Donkey Anti-Mouse IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Rb, Shp Sr Prot)  |
| 715-585-151 | Alexa Fluor® 594-AffiniPure Donkey Anti-Mouse IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Rb, Rat, Shp Sr Prot)                                       |
| 715-586-020 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Mouse IgM, μ Chain Specific   |
| 715-586-150 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Mouse IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Rb, Shp Sr Prot)               |
| 715-586-151 | Alexa Fluor® 594-AffiniPure F(ab') <sub>2</sub> Fragment Donkey Anti-Mouse IgG (H+L) (min X Bov, Ck, Gt, GP, Sy Hms, Hrs, Hu, Rb, Rat, Shp Sr Prot)          |
| 715-587-003 | Alexa Fluor® 594-AffiniPure Fab Fragment Donkey Anti-Mouse IgG (H+L)   |
| 805-585-180 | Alexa Fluor® 594-AffiniPure Bovine Anti-Goat IgG (H+L) (min X Bov, Ck, GP, Sy Hms, Hrs, Hu, Ms, Rb, Rat Sr Prot)   |

of identification: None

#### 1.2 Relevant identified uses of the substance or mixture identifier

For *in vitro* research use only. Not for diagnostic or therapeutic use. This is not a medical device. Contact suppliers for specific applications.

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

##### European Contact

Jackson ImmunoResearch Europe LTD  
Unit 7, Acom Business Centre  
Oaks Drive, Newmarket,  
Suffolk, CB8 7SY, UK  
T: +44 (0) 1638 782616  
F: +44 (0) 1638 668462  
cuserv@jireurope.com  
www.jireurope.com

##### Manufacturer

Jackson ImmunoResearch Laboratories, Inc.  
872 West Baltimore Pike  
West Grove, PA 19390  
T: 800-367-5296, 610-869-4024  
F: 610-869-0171  
cuserv@jacksonimmuno.com  
tech@jacksonimmuno.com  
www.jacksonimmuno.com

E-mail address of the person responsible for this SDS: tech@jacksonimmuno.com

#### 1.4 Emergency telephone number

##### Emergency Contact

Telephone number: CHEMTREC:  
800-424-9300  
OUTSIDE USA:  
703-527-3887

## SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition: Mixture

##### Classification according to Directive 1999/45/E [DPD]

##### Europe

This product is not classified as dangerous after rehydration according to directive 1999/45/EC and its amendments.

Classification: Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Hazard symbol or symbols: N/A

Indication of danger: N/A

Risk phrases: After rehydration, this product is not classified according to EU legislation.

Safety phrases: Not applicable.

Hazardous ingredients: The only danger of this product is associated with sodium azide which is present in a very small amount. After rehydration, sodium azide is below the threshold level of 1% for a toxic chemical.

Supplemental label elements: Not applicable.

##### Special packaging requirements

Containers to be fitted with child-resistant fastenings: Not applicable.

Tactile warning of danger: Not applicable.

#### 2.3 Other hazards

Other hazards which do not result in classification: Products of human origin may contain agents which pose a potential biological hazard to humans. The source materials (donor blood) for all products of human origin were tested according to FDA guidelines for the detection of Hepatitis B surface antigen, antibodies to HIV, antibodies to Hepatitis C, HIV-1 antigens, and Syphilis. Each donor blood unit was negative for each test. However, no test method can provide total assurance that these infectious agents are absent.

## SECTION 3: Composition/information on ingredients

Substance/mixture: Mixture

| Chemical Name  | CAS#       | EC #      | % (w/w)                           |
|--|------------|-----------|-----------------------------------|
| Sodium Azide   | 26628-22-8 | 247-852-1 | 2 [0.05% (w/v) after rehydration] |
| Sodium Phosphate   | 7558-79-4  | 231-448-7 | 4                                 |
| Alexa Fluor® 594-conjugated antibody, serum protein, or streptavidin | N/A        | N/A       | 5                                 |
| Sodium Chloride  | 7647-14-5  | 231-598-3 | 44                                |
| Bovine Serum Albumin   | N/A        | N/A       | 45                                |

The mixture is not considered to be hazardous after rehydration for use.

## SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**Eye contact:** If this product enters the eyes, flush the eyes with gently running water for at least 15 minutes. If inflammation occurs, get medical attention.

**Inhalation:** Vapors of these products are likely to be only water vapors, so no adverse health effects are expected if vapors are inhaled. If irritation occurs, get medical attention.

**Skin contact:** Basic hygiene should prevent any problems. If contact with these products leads to reddening, inflammation, or irritation, flush exposed area with running water and get medical attention.

**Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Give small quantities of water to drink. Do not induce vomiting unless directed by medical personnel. These products are for *in vitro* research use only, not for household, diagnostic, or therapeutic use. They are not medical devices. If these products are accidentally swallowed, no adverse health effects are expected. However, no special precautions are taken to remove or detect the possible presence of endotoxin or pyrogens. If fever or adverse effects are experienced, get medical attention.

**Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.

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

##### Potential acute health effects

**Eye contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

**Eye contact:** No specific data.

**Inhalation:** No specific data.

**Skin Contact:** No specific data.

**Ingestion:** No specific data.

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

**Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments:** No specific treatment.

### SECTION 5: Fire-fighting measures

5.1

#### Extinguishing media

**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media:** None known.

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

**Hazards from the substance or mixture:** In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous combustion products:** Decomposition products may include oxides of carbon, nitrogen, and phosphorus in very small quantities.

#### 5.3 Advice for fire fighters

**Special precautions for fire fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire fighters (including helmets, protective boots, and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

### SECTION 6. Accidental release measures

6.1 Personal

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

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas.

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders:**

**6.2 Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

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

**Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material, e.g. sand, earth, vermiculite, or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via licensed waste disposal contractor.

**6.4 Reference to other sections:** See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

### SECTION 7: Handling and storage

The information

in this section contains generic advice and guidelines. The list of Identified Uses in Section 1 should be consulted for any available use specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

**Protective measures:** Put on appropriate protective equipment (see Section 8).

**Advice on general occupational hygiene:** Eating, drinking, and smoking should be prohibited in areas where material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment entering eating areas. See also Section 8 for additional information on hygiene measures.

**7.2 Conditions for safe storage, including any incompatibilities:** Store at 2-8 ° C under sterile conditions. Store in original container away from incompatible materials (see Section 10) and food and drink. Keep container tightly sealed until ready to use. Prepare working dilution fresh each day. Remove aliquots for dilution and reseal container under sterile conditions. Do not store in unlabeled container. Use appropriate containment to avoid environmental contamination. Consult Product Specification sheets for additional storage information.

### 7.3 Specific end uses

**Recommendations:** Not available.

**Industrial sector specific solutions:** Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

#### Occupational exposure limits

**Europe:** No exposure limit value known.

**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere, or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

#### Derived effect levels

No DELs available

#### Predicted effect concentrations

No PECs available

### 8.2 Exposure controls

**Appropriate engineering controls:** No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### Individual protection measures

**Hygiene measures:** Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure the eyewash station and safety showers are close to the workstation location.

**Eye/face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dusts.

#### Skin protection

**Hand protection:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection:** Use a properly-fitted, air-purifying, or air-fed respirator complying with an approved standard if a risk assessment indicates this is a necessity. Respirator selection must be on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information

#### on basic physical and chemical properties

##### Appearance

**Physical state:** Liquid

**Color:** Colorless, as water

**Odor:** Odorless, as water

**Odor threshold:** Not available

**pH:** 7.6

**Melting point/freezing point:** Not available

**Initial boiling point and boiling range:** Not available

**Flash point:** Not available

**Evaporation rate:** Not available

**Flammability:** Not available

**Burning time:** Not available

**Burning rate:** Not available

**Upper/lower flammability or explosive limits:** Not available

**Vapor pressure:** Not available

**Vapor density:** Not available

**Relative density:** Not available

**Solubility(ies):** Soluble in warm and cold water

**Partition coefficient:** n-octanol/water

**Auto-ignition temperature:** Not available

**Decomposition temperature:** Not available

**Viscosity:** Not available

**Explosive properties:** Not available

**Oxidizing properties:** Not available

### 9.2 Other information

No additional information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability:** The product is stable.

**10.3 Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.



**10.4 Conditions to avoid:** No specific data.

**10.5 Incompatible materials:** No specific data.

**10.6 Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products will not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Sodium Chloride:** Oral Rat, LD50, 3,000 mg/kg

**Sodium Phosphate:** Oral Rat, LD50, 17g/kg

**Sodium Azide:** Oral Rat, LD50, 27 mg/kg

**Antibody/Serum Protein:** Not established

#### Irritation/Corrosion

**Conclusion/Summary:** Not available.

#### Sensitizer

**Conclusion/Summary:** Not available.

#### Mutagenicity

**Conclusion/Summary:** Not available

#### Carcinogenicity

**Conclusion/Summary:** Not available

#### Reproductive toxicity

**Conclusion/Summary:** Not available

#### Teratogenicity

**Conclusion/Summary:** Not available

**Information on the likely routes of exposure:** Routes of entry anticipated: Oral, Dermal, and Inhalation

#### Potential acute health effects

**Inhalation:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

**Skin contact:** No known significant effects or critical hazards.

**Eye contact:** No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical, and toxicological characteristics

**Inhalation:** No specific data

**Ingestion:** No specific data

**Skin contact:** No specific data

**Eye contact:** No specific data

#### Delayed, immediate, and chronic effects from short and long term exposure

##### Short term exposure

**Potential immediate effects:** Not available

**Potential delayed effects:** Not available

##### Long term effects

**Potential immediate effects:** Not available

**Potential delayed effects:** Not available

#### Potential chronic health effects

**Conclusion/Summary:** Not available

**General:** No known significant effects or critical hazards.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental effects:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

**Other information:** Not available

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary:** Not available

### 12.2 Persistence and degradability

**Conclusion/Summary:** Not available

**12.3 Bioaccumulative potential.** Not available

### 12.4 Mobility in soil

**Soil/water partition coefficient:** Not available

**Mobility:** Not available

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable

**vPvB:** Not applicable

**12.6 Other adverse effects:** No known significant effects or critical hazards.

## SECTION 13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

**Hazardous waste:** Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

## Packaging

**Methods of disposal:** The generation of waste should be avoided or minimized whenever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions:** This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

| SECTION 14: Transport information |               |               |               |               |
|-----------------------------------|---------------|---------------|---------------|---------------|
|                                   | ADR/RID       | ADN/ADNR      | IMDG          | IATA          |
| 14.1 UN number                    | Not available | Not available | Not available | Not available |
| 14.2 UN proper shipping name      | Not available | Not available | -             | -             |
| 14.3 Transport hazard class(es)   | Not available | Not available | -             | -             |
| 14.4 Packing group                | -             | -             | -             | -             |
| 14.5 Environmental hazards        | No            | No            | No            | No            |
| 14.6 Special precaution for user  | Not available | Not available | Not available | Not available |
| Additional information            | -             | -             | -             | -             |

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the and the IBC Code: Not available.

## SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market, and use of certain dangerous substances, mixtures, and articles: Not applicable.

### Other EU regulations

Europe inventory: Not determined.

Black List Chemicals: Not listed.

Priority List Chemicals: Not listed.

Integrated pollution prevention and control list (IPPC) - Air: Not listed.

IPPC - Water: Not listed.

### National Regulations

15.2 Chemical Safety Assessment: This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

**Abbreviations and acronyms:** ATE = Acute Toxicity Estimate

CLP = Classification, Labelling, and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard Statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification | Justification |
|----------------|---------------|
|----------------|---------------|

### Europe

**Full text of abbreviation H statements:** Not applicable.

**Full text of classifications [CLP/GHS]:** Not applicable.

**Full text of abbreviated R phrases:** Not applicable.

**Full text of classifications[DSD/DPD]:** Not applicable.

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