



872 W. Baltimore Pike, West Grove, PA 19390
 800-367-5296, 610-869-4024, FAX: 610-869-0171
 cuser@jacksonimmuno.com
 www.jacksonimmuno.com
 www.jireurope.com

SAFETY DATA SHEET

Unconjugated Affinity-Purified Antibodies, sterile-filtered liquid, no preservative

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

1.1 Product identifier

Product name: Unconjugated Affinity-Purified Antibodies, sterile-filtered liquid, no preservative

Product code:

101-005-003	109-006-097	112-006-062	115-006-072	305-005-008	312-006-045	706-006-148
101-005-165	109-006-098	112-006-068	115-006-075	305-005-045	313-005-003	709-005-073
101-006-003	109-006-127	112-006-071	115-006-146	305-005-046	313-005-045	709-005-098
102-005-003	109-006-129	112-006-072	115-007-003	305-005-047	313-005-046	709-005-149
102-005-006	109-006-170	112-006-075	115-007-020	305-006-003	313-005-047	709-006-073
102-005-008	109-007-003	112-006-143	123-005-021	305-006-006	313-006-003	709-006-098
103-005-155	109-007-043	112-007-003	127-005-099	305-006-008	313-007-003	709-006-149
106-005-003	111-005-003	114-005-003	127-005-160	305-006-045	315-005-003	711-005-152
106-005-006	111-005-006	115-005-003	200-002-037	305-006-046	315-005-006	711-006-152
106-005-008	111-005-008	115-005-006	200-002-156	305-006-047	315-005-008	711-007-003
106-006-003	111-005-045	115-005-008	200-002-211	305-007-003	315-005-020	712-005-150
107-005-142	111-005-046	115-005-020	205-002-176	307-005-003	315-005-044	712-005-153
107-006-142	111-005-047	115-005-044	205-005-108	307-006-003	315-005-045	712-006-150
108-005-003	111-005-144	115-005-062	209-005-082	308-005-003	315-005-046	712-006-153
108-005-008	111-006-003	115-005-068	209-005-088	309-005-003	315-005-047	712-007-003
108-006-003	111-006-045	115-005-071	209-005-097	309-005-006	315-005-048	713-005-003
109-005-003	111-006-046	115-005-072	209-005-098	309-005-008	315-005-049	713-005-147
109-005-006	111-006-047	115-005-075	211-002-171	309-005-011	315-006-003	713-006-147
109-005-008	111-006-144	115-005-146	211-005-109	309-005-015	315-006-045	715-005-020
109-005-011	111-007-003	115-005-164	212-005-082	309-005-064	315-006-046	715-005-140
109-005-043	112-005-003	115-005-166	212-005-104	309-005-082	315-006-047	715-005-150
109-005-044	112-005-006	115-005-174	212-005-106	309-005-095	315-007-003	715-005-151
109-005-064	112-005-008	115-005-205	212-005-168	309-005-107	323-005-021	715-006-020
109-005-088	112-005-020	115-005-206	212-006-168	309-006-003	415-005-166	715-006-150
109-005-097	112-005-044	115-005-207	213-002-177	309-006-008	515-005-003	715-006-151
109-005-098	112-005-062	115-005-208	301-005-003	309-006-043	515-005-062	715-007-003
109-005-127	112-005-068	115-005-209	303-005-003	312-005-003	515-005-071	805-005-180
109-005-129	112-005-071	115-006-003	303-005-006	312-005-020	515-005-072	.
109-006-003	112-005-072	115-006-006	303-005-008	312-005-044	703-005-155	.
109-006-006	112-005-075	115-006-008	303-006-003	312-005-045	703-006-155	.
109-006-008	112-005-143	115-006-020	304-005-003	312-005-046	705-005-003	.
109-006-011	112-005-167	115-006-062	304-005-008	312-005-047	705-005-147	.
109-006-064	112-005-175	115-006-068	305-005-003	312-005-048	705-006-147	.
109-006-088	112-006-003	115-006-071	305-005-006	312-005-049	706-005-148	.

SDS #: 1EU

Product description:

101-005-003	AffiniPure Goat Anti-Bovine IgG (H+L)
101-005-165	AffiniPure Goat Anti-Bovine IgG (H+L) (min X Ar Hms,Hu,Ms,Rat Sr Prot)
101-006-003	AffiniPure F(ab') ₂ Fragment Goat Anti-Bovine IgG (H+L)
102-005-003	AffiniPure Goat Anti-Cat IgG (H+L)
102-005-006	AffiniPure Goat Anti-Cat IgG, F(ab') ₂ Fragment Specific
102-005-008	AffiniPure Goat Anti-Cat IgG, Fc Fragment Specific
103-005-155	AffiniPure Goat Anti-Chicken IgY (IgG) (H+L) (min X Bov,Gt,GP,Sy Hms,Hrs,Hu,Ms,Rb,Rat,Shp Sr Prot)
106-005-003	AffiniPure Goat Anti-Guinea Pig IgG (H+L)
106-005-006	AffiniPure Goat Anti-Guinea Pig IgG, F(ab') ₂ Fragment Specific
106-005-008	AffiniPure Goat Anti-Guinea Pig IgG, Fc Fragment Specific
106-006-003	AffiniPure F(ab') ₂ Fragment Goat Anti-Guinea Pig IgG (H+L)
107-005-142	AffiniPure Goat Anti-Syrian Hamster IgG (H+L) (min X Bov,Hrs,Hu,Ms,Rb,Rat Sr Prot)
107-006-142	AffiniPure F(ab') ₂ Fragment Goat Anti-Syrian Hamster IgG (H+L) (min X Bov,Hrs,Hu,Ms,Rb,Rat Sr Prot)
108-005-003	AffiniPure Goat Anti-Horse IgG (H+L)
108-005-008	AffiniPure Goat Anti-Horse IgG, Fc Fragment Specific
108-006-003	AffiniPure F(ab') ₂ Fragment Goat Anti-Horse IgG (H+L)
109-005-003	AffiniPure Goat Anti-Human IgG (H+L)
109-005-006	AffiniPure Goat Anti-Human IgG, F(ab') ₂ Fragment Specific
109-005-008	AffiniPure Goat Anti-Human IgG, Fcy Fragment Specific
109-005-011	AffiniPure Goat Anti-Human Serum IgA, α Chain Specific
109-005-043	AffiniPure Goat Anti-Human IgM, Fc5μ Fragment Specific
109-005-044	AffiniPure Goat Anti-Human IgG + IgM (H+L)
109-005-064	AffiniPure Goat Anti-Human IgA + IgG + IgM (H+L)
109-005-088	AffiniPure Goat Anti-Human IgG (H+L) (min X Bov,Hrs,Ms Sr Prot)
109-005-097	AffiniPure Goat Anti-Human IgG, F(ab') ₂ Fragment Specific (min X Bov,Hrs,Ms Sr Prot)
109-005-098	AffiniPure Goat Anti-Human IgG, Fcy Fragment Specific (min X Bov,Hrs,Ms Sr Prot)
109-005-127	AffiniPure Goat Anti-Human IgG + IgM (H+L) (min X Bov Sr Prot)
109-005-129	AffiniPure Goat Anti-Human IgM, Fc5μ Fragment Specific (min X Bov Sr Prot)
109-006-003	AffiniPure F(ab') ₂ Fragment Goat Anti-Human IgG (H+L)

109-006-006 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgG, F(ab')₂ Fragment Specific
109-006-008 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgG, Fcγ Fragment Specific
109-006-011 AffiniPure F(ab')₂ Fragment Goat Anti-Human Serum IgA, α Chain Specific
109-006-064 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgA + IgG + IgM (H+L)
109-006-088 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgG (H+L) (min X Bov,Hrs,Ms Sr Prot)
109-006-097 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgG, F(ab')₂ Fragment Specific (min X Bov,Hrs,Ms Sr Prot)
109-006-098 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgG, Fcγ Fragment Specific (min X Bov,Hrs,Ms Sr Prot)
109-006-127 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgG + IgM (H+L) (min X Bov Sr Prot)
109-006-129 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgM, Fc₅μ Fragment Specific (min X Bov Sr Prot)
109-006-170 AffiniPure F(ab')₂ Fragment Goat Anti-Human IgG, Fcγ Fragment Specific (min X Bov,Ms,Rb Sr Prot)
109-007-003 AffiniPure Fab Fragment Goat Anti-Human IgG (H+L)
109-007-043 AffiniPure Fab Fragment Goat Anti-Human IgM, Fc₅μ Fragment Specific
111-005-003 AffiniPure Goat Anti-Rabbit IgG (H+L)
111-005-006 AffiniPure Goat Anti-Rabbit IgG, F(ab')₂ Fragment Specific
111-005-008 AffiniPure Goat Anti-Rabbit IgG, Fc Fragment Specific
111-005-045 AffiniPure Goat Anti-Rabbit IgG (H+L) (min X Hu Sr Prot)
111-005-046 AffiniPure Goat Anti-Rabbit IgG, Fc Fragment Specific (min X Hu Sr Prot)
111-005-047 AffiniPure Goat Anti-Rabbit IgG, F(ab')₂ Fragment Specific (min X Hu Sr Prot)
111-005-144 AffiniPure Goat Anti-Rabbit IgG (H+L) (min X Hu,Ms,Rat Sr Prot)
111-006-003 AffiniPure F(ab')₂ Fragment Goat Anti-Rabbit IgG (H+L)
111-006-045 AffiniPure F(ab')₂ Fragment Goat Anti-Rabbit IgG (H+L) (min X Hu Sr Prot)
111-006-046 AffiniPure F(ab')₂ Fragment Goat Anti-Rabbit IgG, Fc Fragment Specific (min X Hu Sr Prot)
111-006-047 AffiniPure F(ab')₂ Fragment Goat Anti-Rabbit IgG, F(ab')₂ Fragment Specific (min X Hu Sr Prot)
111-006-144 AffiniPure F(ab')₂ Fragment Goat Anti-Rabbit IgG (H+L) (min X Hu,Ms,Rat Sr Prot)
111-007-003 AffiniPure Fab Fragment Goat Anti-Rabbit IgG (H+L)
112-005-003 AffiniPure Goat Anti-Rat IgG (H+L)
112-005-006 AffiniPure Goat Anti-Rat IgG, F(ab')₂ Fragment Specific
112-005-008 AffiniPure Goat Anti-Rat IgG, Fcγ Fragment Specific
112-005-020 AffiniPure Goat Anti-Rat IgM, μ Chain Specific
112-005-044 AffiniPure Goat Anti-Rat IgG + IgM (H+L)
112-005-062 AffiniPure Goat Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)
112-005-068 AffiniPure Goat Anti-Rat IgG + IgM (H+L) (min X Hu,Bov,Hrs Sr Prot)
112-005-071 AffiniPure Goat Anti-Rat IgG, Fcγ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
112-005-072 AffiniPure Goat Anti-Rat IgG, F(ab')₂ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
112-005-075 AffiniPure Goat Anti-Rat IgM, μ Chain Specific (min X Hu,Bov,Hrs Sr Prot)
112-005-143 AffiniPure Goat Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs,Rb Sr Prot)
112-005-167 AffiniPure Goat Anti-Rat IgG (H+L) (min X Ms,Hu,Bov,Hrs,Rb Sr Prot)
112-005-175 AffiniPure Goat Anti-Rat IgG, Light Chain* Specific (min X Bov,Gt,Hrs,Hu,Ms,Rb,Shp Ig)
112-006-003 AffiniPure F(ab')₂ Fragment Goat Anti-Rat IgG (H+L)
112-006-062 AffiniPure F(ab')₂ Fragment Goat Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)
112-006-068 AffiniPure F(ab')₂ Fragment Goat Anti-Rat IgG + IgM (H+L) (min X Hu,Bov,Hrs Sr Prot)
112-006-071 AffiniPure F(ab')₂ Fragment Goat Anti-Rat IgG, Fcγ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
112-006-072 AffiniPure F(ab')₂ Fragment Goat Anti-Rat IgG, F(ab')₂ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
112-006-075 AffiniPure F(ab')₂ Fragment Goat Anti-Rat IgM, μ Chain Specific (min X Hu,Bov,Hrs Sr Prot)
112-006-143 AffiniPure F(ab')₂ Fragment Goat Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs,Rb Sr Prot)
112-007-003 AffiniPure Fab Fragment Goat Anti-Rat IgG (H+L)
114-005-003 AffiniPure Goat Anti-Swine IgG (H+L)
115-005-003 AffiniPure Goat Anti-Mouse IgG (H+L)
115-005-006 AffiniPure Goat Anti-Mouse IgG, F(ab')₂ Fragment Specific
115-005-008 AffiniPure Goat Anti-Mouse IgG, Fcγ Fragment Specific
115-005-020 AffiniPure Goat Anti-Mouse IgM, μ Chain Specific
115-005-044 AffiniPure Goat Anti-Mouse IgG + IgM (H+L)
115-005-062 AffiniPure Goat Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)
115-005-068 AffiniPure Goat Anti-Mouse IgG + IgM (H+L) (min X Hu,Bov,Hrs Sr Prot)
115-005-071 AffiniPure Goat Anti-Mouse IgG, Fcγ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
115-005-072 AffiniPure Goat Anti-Mouse IgG, F(ab')₂ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
115-005-075 AffiniPure Goat Anti-Mouse IgM, μ Chain Specific (min X Hu,Bov,Hrs Sr Prot)
115-005-146 AffiniPure Goat Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs,Rb,Sw Sr Prot)
115-005-164 AffiniPure Goat Anti-Mouse IgG (subclasses 1+2a+2b+3), Fcγ Fragment Specific (min X Hu,Bov,Rb Sr Prot)
115-005-166 AffiniPure Goat Anti-Mouse IgG (H+L) (min X Rat,Hu,Bov,Hrs,Rb Sr Prot)
115-005-174 AffiniPure Goat Anti-Mouse IgG, Light Chain* Specific (min X Bov,Gt,Hrs,Hu,Rb,Rat,Shp Ig)
115-005-205 AffiniPure Goat Anti-Mouse IgG, Fcγ Subclass 1 Specific (min X Hu,Bov,Rb Sr Prot)
115-005-206 AffiniPure Goat Anti-Mouse IgG, Fcγ Subclass 2a Specific (min X Hu,Bov,Rb Sr Prot)
115-005-207 AffiniPure Goat Anti-Mouse IgG, Fcγ Subclass 2b Specific (min X Hu,Bov,Rb Sr Prot)
115-005-208 AffiniPure Goat Anti-Mouse IgG, Fcγ Subclass 2c Specific (min X Hu,Bov,Rb Sr Prot)
115-005-209 AffiniPure Goat Anti-Mouse IgG, Fcγ Subclass 3 Specific (min X Hu,Bov,Rb Sr Prot)
115-006-003 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG (H+L)
115-006-006 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG, F(ab')₂ Fragment Specific
115-006-008 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG, Fcγ Fragment Specific
115-006-020 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgM, μ Chain Specific
115-006-062 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)
115-006-068 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG + IgM (H+L) (min X Hu,Bov,Hrs Sr Prot)
115-006-071 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG, Fcγ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
115-006-072 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG, F(ab')₂ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
115-006-075 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgM, μ Chain Specific (min X Hu,Bov,Hrs Sr Prot)
115-006-146 AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs,Rb,Sw Sr Prot)
115-007-003 AffiniPure Fab Fragment Goat Anti-Mouse IgG (H+L)
115-007-020 AffiniPure Fab Fragment Goat Anti-Mouse IgM, μ Chain Specific
123-005-021 AffiniPure Goat Anti-Horseradish Peroxidase
127-005-099 AffiniPure Goat Anti-Armenian Hamster IgG (H+L) (min X Bov Sr Prot)
127-005-160 AffiniPure Goat Anti-Armenian Hamster IgG (H+L) (min X Bov,Hu,Ms,Rb,Rat Sr Prot)
200-002-037 IgG Fraction Monoclonal Mouse Anti-Fluorescein (FITC)
200-002-156 IgG Fraction Monoclonal Mouse Anti-Digoxin
200-002-211 IgG Fraction Monoclonal Mouse Anti-Biotin
205-002-176 IgG Fraction Monoclonal Mouse Anti-Goat IgG, Light Chain Specific (min X Hrs,Hu,Ms,Rb,Rat Ig)
205-005-108 AffiniPure Mouse Anti-Goat IgG (H+L) (min X Ms,Hu,Rb Sr Prot)
209-005-082 AffiniPure Mouse Anti-Human IgG (H+L) (min X Ms Sr Prot)
209-005-088 AffiniPure Mouse Anti-Human IgG (H+L) (min X Bov,Hrs,Ms Sr Prot)
209-005-097 AffiniPure Mouse Anti-Human IgG, F(ab')₂ Fragment Specific (min X Bov,Hrs,Ms Sr Prot)
209-005-098 AffiniPure Mouse Anti-Human IgG, Fcγ Fragment Specific (min X Bov,Hrs,Ms Sr Prot)
211-002-171 IgG Fraction Monoclonal Mouse Anti-Rabbit IgG, Light Chain Specific (min X Bov,Gt,Arm Hms,Hrs,Hu,Ms,Rat,Shp Ig)
211-005-109 AffiniPure Mouse Anti-Rabbit IgG (H+L) (min X Hu,Gt,Ms,Shp Sr Prot)

212-005-082 AffiniPure Mouse Anti-Rat IgG (H+L) (min X Ms Sr Prot)
 212-005-104 AffiniPure Mouse Anti-Rat IgG, Fcy Fragment Specific (min X Hu,Bov,Hrs,Ms Sr Prot)
 212-005-106 AffiniPure Mouse Anti-Rat IgG, F(ab')₂ Fragment Specific (min X Hu,Bov,Hrs,Ms Sr Prot)
 212-005-168 AffiniPure Mouse Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs,Ms,Gt,Rb Sr Prot)
 212-006-168 AffiniPure F(ab')₂ Fragment Mouse Anti-Rat IgG (H+L) (min X Hu,Bov,Hrs,Ms,Gt,Rb Sr Prot)
 213-002-177 IgG Fraction Monoclonal Mouse Anti-Sheep IgG, Light Chain Specific (min X Bov,Hrs,Hu,Ms,Rb,Rat Ig)
 301-005-003 AffiniPure Rabbit Anti-Bovine IgG (H+L)
 303-005-003 AffiniPure Rabbit Anti-Chicken IgY (IgG) (H+L)
 303-005-006 AffiniPure Rabbit Anti-Chicken IgY (IgG), F(ab')₂ Fragment Specific
 303-005-008 AffiniPure Rabbit Anti-Chicken IgY (IgG), Fc Fragment Specific
 303-006-003 AffiniPure F(ab')₂ Fragment Rabbit Anti-Chicken IgY (IgG) (H+L)
 304-005-003 AffiniPure Rabbit Anti-Dog IgG (H+L)
 304-005-008 AffiniPure Rabbit Anti-Dog IgG, Fc Fragment Specific
 305-005-003 AffiniPure Rabbit Anti-Goat IgG (H+L)
 305-005-006 AffiniPure Rabbit Anti-Goat IgG, F(ab')₂ Fragment Specific
 305-005-008 AffiniPure Rabbit Anti-Goat IgG, Fc Fragment Specific
 305-005-045 AffiniPure Rabbit Anti-Goat IgG (H+L) (min X Hu Sr Prot)
 305-005-046 AffiniPure Rabbit Anti-Goat IgG, Fc Fragment Specific (min X Hu Sr Prot)
 305-005-047 AffiniPure Rabbit Anti-Goat IgG, F(ab')₂ Fragment Specific (min X Hu Sr Prot)
 305-006-003 AffiniPure F(ab')₂ Fragment Rabbit Anti-Goat IgG (H+L)
 305-006-006 AffiniPure F(ab')₂ Fragment Rabbit Anti-Goat IgG, F(ab')₂ Fragment Specific
 305-006-008 AffiniPure F(ab')₂ Fragment Rabbit Anti-Goat IgG, Fc Fragment Specific
 305-006-045 AffiniPure F(ab')₂ Fragment Rabbit Anti-Goat IgG (H+L) (min X Hu Sr Prot)
 305-006-046 AffiniPure F(ab')₂ Fragment Rabbit Anti-Goat IgG, Fc Fragment Specific (min X Hu Sr Prot)
 305-006-047 AffiniPure F(ab')₂ Fragment Rabbit Anti-Goat IgG, F(ab')₂ Fragment Specific (min X Hu Sr Prot)
 305-007-003 AffiniPure Fab Fragment Rabbit Anti-Goat IgG (H+L)
 307-005-003 AffiniPure Rabbit Anti-Syrian Hamster IgG (H+L)
 307-006-003 AffiniPure F(ab')₂ Fragment Rabbit Anti-Syrian Hamster IgG (H+L)
 308-005-003 AffiniPure Rabbit Anti-Horse IgG (H+L)
 309-005-003 AffiniPure Rabbit Anti-Human IgG (H+L)
 309-005-006 AffiniPure Rabbit Anti-Human IgG, F(ab')₂ Fragment Specific
 309-005-008 AffiniPure Rabbit Anti-Human IgG, Fcy Fragment Specific
 309-005-011 AffiniPure Rabbit Anti-Human Serum IgA, α Chain Specific
 309-005-015 AffiniPure Rabbit Anti-Human Lactoferrin
 309-005-064 AffiniPure Rabbit Anti-Human IgA+IgG+IgM (H+L)
 309-005-082 AffiniPure Rabbit Anti-Human IgG (H+L) (min X Ms Sr Prot)
 309-005-095 AffiniPure Rabbit Anti-Human IgM, Fc5μ Fragment Specific (min X Ms Sr Prot)
 309-005-107 AffiniPure Rabbit Anti-Human IgG + IgM (H+L) (min X Ms Sr Prot)
 309-006-003 AffiniPure F(ab')₂ Fragment Rabbit Anti-Human IgG (H+L)
 309-006-008 AffiniPure F(ab')₂ Fragment Rabbit Anti-Human IgG, Fcy Fragment Specific
 309-006-043 AffiniPure F(ab')₂ Fragment Rabbit Anti-Human IgM, Fc5μ Fragment Specific
 312-005-003 AffiniPure Rabbit Anti-Rat IgG (H+L)
 312-005-020 AffiniPure Rabbit Anti-Rat IgM, μ Chain Specific
 312-005-044 AffiniPure Rabbit Anti-Rat IgG + IgM (H+L)
 312-005-045 AffiniPure Rabbit Anti-Rat IgG (H+L) (min X Hu Sr Prot)
 312-005-046 AffiniPure Rabbit Anti-Rat IgG, Fcy Fragment Specific (min X Hu Sr Prot)
 312-005-047 AffiniPure Rabbit Anti-Rat IgG, F(ab')₂ Fragment Specific (min X Hu Sr Prot)
 312-005-048 AffiniPure Rabbit Anti-Rat IgG + IgM (H+L) (min X Hu Sr Prot)
 312-005-049 AffiniPure Rabbit Anti-Rat IgM, μ Chain Specific (min X Hu Sr Prot)
 312-006-045 AffiniPure F(ab')₂ Fragment Rabbit Anti-Rat IgG (H+L) (min X Hu Sr Prot)
 313-005-003 AffiniPure Rabbit Anti-Sheep IgG (H+L)
 313-005-045 AffiniPure Rabbit Anti-Sheep IgG (H+L) (min X Hu Sr Prot)
 313-005-046 AffiniPure Rabbit Anti-Sheep IgG, Fc Fragment Specific (min X Hu Sr Prot)
 313-005-047 AffiniPure Rabbit Anti-Sheep IgG, F(ab')₂ Fragment Specific (min X Hu Sr Prot)
 313-006-003 AffiniPure F(ab')₂ Fragment Rabbit Anti-Sheep IgG (H+L)
 313-007-003 AffiniPure Fab Fragment Rabbit Anti-Sheep IgG (H+L)
 315-005-003 AffiniPure Rabbit Anti-Mouse IgG (H+L)
 315-005-006 AffiniPure Rabbit Anti-Mouse IgG, F(ab')₂ Fragment Specific
 315-005-008 AffiniPure Rabbit Anti-Mouse IgG, Fcy Fragment Specific
 315-005-020 AffiniPure Rabbit Anti-Mouse IgM, μ Chain Specific
 315-005-044 AffiniPure Rabbit Anti-Mouse IgG + IgM (H+L)
 315-005-045 AffiniPure Rabbit Anti-Mouse IgG (H+L) (min X Hu Sr Prot)
 315-005-046 AffiniPure Rabbit Anti-Mouse IgG, Fcy Fragment Specific (min X Hu Sr Prot)
 315-005-047 AffiniPure Rabbit Anti-Mouse IgG, F(ab')₂ Fragment Specific (min X Hu Sr Prot)
 315-005-048 AffiniPure Rabbit Anti-Mouse IgG + IgM (H+L) (min X Hu Sr Prot)
 315-005-049 AffiniPure Rabbit Anti-Mouse IgM, μ Chain Specific (min X Hu Sr Prot)
 315-006-003 AffiniPure F(ab')₂ Fragment Rabbit Anti-Mouse IgG (H+L)
 315-006-045 AffiniPure F(ab')₂ Fragment Rabbit Anti-Mouse IgG (H+L) (min X Hu Sr Prot)
 315-006-046 AffiniPure F(ab')₂ Fragment Rabbit Anti-Mouse IgG, Fcy Fragment Specific (min X Hu Sr Prot)
 315-006-047 AffiniPure F(ab')₂ Fragment Rabbit Anti-Mouse IgG, F(ab')₂ Fragment Specific (min X Hu Sr Prot)
 315-007-003 AffiniPure Fab Fragment Rabbit Anti-Mouse IgG (H+L)
 323-005-021 AffiniPure Rabbit Anti-Horseradish Peroxidase
 415-005-166 AffiniPure Rat Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs,Rat,Rb Sr Prot)
 515-005-003 AffiniPure Sheep Anti-Mouse IgG (H+L)
 515-005-062 AffiniPure Sheep Anti-Mouse IgG (H+L) (min X Hu,Bov,Hrs Sr Prot)
 515-005-071 AffiniPure Sheep Anti-Mouse IgG, Fcy Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
 515-005-072 AffiniPure Sheep Anti-Mouse IgG, F(ab')₂ Fragment Specific (min X Hu,Bov,Hrs Sr Prot)
 703-005-155 AffiniPure Donkey Anti-Chicken IgY (IgG) (H+L) (min X Bov,Gt,GP,Sy Hms,Hrs,Hu,Ms,Rb,Rat,Shp Sr Prot)
 703-006-155 AffiniPure F(ab')₂ Fragment Donkey Anti-Chicken IgY (IgG) (H+L) (min X Bov,Gt,GP,Sy Hms,Hrs,Hu,Ms,Rb,Rat,Shp Sr Prot)
 705-005-003 AffiniPure Donkey Anti-Goat IgG (H+L)
 705-005-147 AffiniPure Donkey Anti-Goat IgG (H+L) (min X Ck,GP,Sy Hms,Hrs,Hu,Ms,Rb,Rat Sr Prot)
 705-006-147 AffiniPure F(ab')₂ Fragment Donkey Anti-Goat IgG (H+L) (min X Ck,GP,Sy Hms,Hrs,Hu,Ms,Rb,Rat Sr Prot)
 706-005-148 AffiniPure Donkey Anti-Guinea Pig IgG (H+L) (min X Bov,Ck,Gt,Sy Hms,Hrs,Hu,Ms,Rb,Rat,Shp Sr Prot)
 706-006-148 AffiniPure F(ab')₂ Fragment Donkey Anti-Guinea Pig IgG (H+L) (min X Bov,Ck,Gt,Sy Hms,Hrs,Hu,Ms,Rb,Rat,Shp Sr Prot)
 709-005-073 AffiniPure Donkey Anti-Human IgM, Fc5μ Fragment Specific (min X Bov,Hrs Sr Prot)
 709-005-098 AffiniPure Donkey Anti-Human IgG, Fcy Fragment Specific (min X Bov,Hrs,Ms Sr Prot)
 709-005-149 AffiniPure Donkey Anti-Human IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Ms,Rb,Rat,Shp Sr Prot)
 709-006-073 AffiniPure F(ab')₂ Fragment Donkey Anti-Human IgM, Fc5μ Fragment Specific (min X Bov,Hrs Sr Prot)
 709-006-098 AffiniPure F(ab')₂ Fragment Donkey Anti-Human IgG, Fcy Fragment Specific (min X Bov,Hrs,Ms Sr Prot)
 709-006-149 AffiniPure F(ab')₂ Fragment Donkey Anti Human IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Ms,Rb,Rat,Shp Sr Prot)
 711-005-152 AffiniPure Donkey Anti-Rabbit IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Ms,Rat,Shp Sr Prot)
 711-006-152 AffiniPure F(ab')₂ Fragment Donkey Anti Rabbit IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Ms,Rat,Shp Sr Prot)

711-007-003	AffiniPure Fab Fragment Donkey Anti-Rabbit IgG (H+L)
712-005-150	AffiniPure Donkey Anti-Rat IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Rb,Shp Sr Prot)
712-005-153	AffiniPure Donkey Anti-Rat IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Ms,Rb,Shp Sr Prot)
712-006-150	AffiniPure F(ab') ₂ Fragment Donkey Anti-Rat IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Rb,Shp Sr Prot)
712-006-153	AffiniPure F(ab') ₂ Fragment Donkey Anti-Rat IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Ms,Rb,Shp Sr Prot)
712-007-003	AffiniPure Fab Fragment Donkey Anti-Rat IgG (H+L)
713-005-003	AffiniPure Donkey Anti-Sheep IgG (H+L)
713-005-147	AffiniPure Donkey Anti-Sheep IgG (H+L) (min X Ck,GP,Sy Hms,Hrs,Hu,Ms,Rb,Rat Sr Prot)
713-006-147	AffiniPure F(ab') ₂ Fragment Donkey Anti-Sheep IgG (H+L) (min X Ck,GP,Sy Hms,Hrs,Hu,Ms,Rb,Rat Sr Prot)
715-005-020	AffiniPure Donkey Anti-Mouse IgM, μ Chain Specific
715-005-140	AffiniPure Donkey Anti-Mouse IgM, μ Chain Specific (min X Hu,Bov,Hrs,Rat Sr Prot)
715-005-150	AffiniPure Donkey Anti-Mouse IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Rb,Shp Sr Prot)
715-005-151	AffiniPure Donkey Anti-Mouse IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Rb,Rat,Shp Sr Prot)
715-006-020	AffiniPure F(ab') ₂ Fragment Donkey Anti-Mouse IgM, μ Chain Specific
715-006-150	AffiniPure F(ab') ₂ Fragment Donkey Anti-Mouse IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Rb,Shp Sr Prot)
715-006-151	AffiniPure F(ab') ₂ Fragment Donkey Anti-Mouse IgG (H+L) (min X Bov,Ck,Gt,GP,Sy Hms,Hrs,Hu,Rb,Rat,Shp Sr Prot)
715-007-003	AffiniPure Fab Fragment Donkey Anti-Mouse IgG (H+L)
805-005-180	AffiniPure Bovine Anti-Goat IgG (H+L) (min X Bov ,Ck,GP,Sy Hms,Hrs,Hu,Ms,Rb,Rat Sr Prot)

Product type: Sterile-filtered liquid

Other means

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, Acorn 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

The product is not classified as dangerous 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: None

Indication of danger: None

Risk phrases: This product is not classified according to EU legislation.

Safety phrases: Not applicable.

Hazardous ingredients: None.

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: Not available.

SECTION 3: Composition/information on ingredients

Substance/mixture: Mixture

Chemical Name	CAS#	EC #	% (w/w)
Sodium Phosphate	7558-79-4	231-448-7	0.14
Purified Antibody	N/A	N/A	0.2-1.2
Sodium Chloride	7647-14-5	231-598-3	1.5
Water	7732-18-5	N/A	balance

This mixture is not considered to be hazardous.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact: If this product enter 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

Antibody 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

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.

Date of printing: 10/10/2010

Date of issue/Date of revision: 8/13/2012

Date of previous issue: No previous validation.

Version: 1.01

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.