The group G is isomorphic to the group labelled by [240, 90] in the Small Groups library.

Ordinary character table of $G \cong$ SL(2,5) : C2:

	$1a$	$2a$	$4a$	$3a$	$6a$	$5a$	$10a$	$2b$	$8a$	$8b$	$6b$	$6c$
χ_1	1	1	1	1	1	1	1	1	1	1	1	1
χ_2	1	1	1	1	1	1	1	-1	-1	-1	-1	-1
χ_3	6	6	-2	0	0	1	1	0	0	0	0	0
χ_4	4	4	0	1	1	-1	-1	2	0	0	-1	-1
χ_5	4	4	0	1	1	-1	-1	-2	0	0	1	1
χ_6	5	5	1	-1	-1	0	0	1	-1	-1	1	1
χ_7	5	5	1	-1	-1	0	0	-1	1	1	-1	-1
χ_8	4	-4	0	-2	2	-1	1	0	0	0	0	0
χ_9	4	-4	0	1	-1	-1	1	0	0	0	$E(3)-E(3)^2$	$-E(3)+E(3)^2$
χ_{10}	4	-4	0	1	-1	-1	1	0	0	0	$-E(3)+E(3)^2$	$E(3)-E(3)^2$
χ_{11}	6	-6	0	0	0	1	-1	0	$E(8)+E(8)^3$	$-E(8)-E(8)^3$	0	0
χ_{12}	6	-6	0	0	0	1	-1	0	$-E(8)-E(8)^3$	$E(8)+E(8)^3$	0	0

Trivial source character table of $G \cong$ SL(2,5) : C2 at $p = 3$:

Normalisers N_i	N_1								N_2				
p-subgroups of G up to conjugacy in G	P_1								P_2				
Representatives $n_j \in N_i$	$1a$	$2b$	$8a$	$5a$	$10a$	$4a$	$8b$	$2a$	$1a$	$4a$	$2b$	$2a$	$2c$
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	6	0	2	1	1	2	2	6	0	0	0	0	0
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	6	0	-2	1	1	2	-2	6	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	6	0	0	1	1	-2	0	6	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	9	3	-1	-1	-1	1	-1	9	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	9	-3	1	-1	-1	1	1	9	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	12	0	0	-3	3	0	0	-12	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}$	6	0	$E(8)+E(8)^3$	1	-1	0	$-E(8)-E(8)^3$	-6	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}$	6	0	$-E(8)-E(8)^3$	1	-1	0	$E(8)+E(8)^3$	-6	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	-1	-1	1	1	1	-1	1	1	1	-1	-1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	4	2	0	-1	-1	0	0	4	1	-1	-1	1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	4	-2	0	-1	-1	0	0	4	1	-1	1	-1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	8	0	0	-2	2	0	0	-8	2	0	0	0	-2

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(2,18,17)(3,24,21)(4,23,10)(6,15,13)(8,14,31)(9,35,34)(11,38,33)(12,22,27)(16,32,26)(20,25,29)(28,37,36)(30,39,40)]) \cong$ C3

$N_1 = Group([(2,4)(3,6)(5,7)(8,14)(9,16)(10,18)(11,20)(12,22)(13,24)(15,21)(17,23)(25,33)(26,35)(28,37)(29,38)(30,39)(32,34), (1,2,5,10,19,13,7,3)(4,8,15,26,24,28,17,9)(6,11,21,30,18,29,23,12)(14,22,32,33,37,39,34,25)(16,27,36,38,35,40,31,20)]) \cong$ SL(2,5) : C2
$N_2 = Group([(2,18,17)(3,24,21)(4,23,10)(6,15,13)(8,14,31)(9,35,34)(11,38,33)(12,22,27)(16,32,26)(20,25,29)(28,37,36)(30,39,40), (1,7)(3,10)(4,24)(5,19)(8,9)(11,30)(12,29)(14,35)(16,37)(20,22)(21,23)(25,27)(26,28)(31,34)(32,36)(33,40)(38,39), (1,7,19,5)(2,3,13,10)(4,17,24,15)(6,23,18,21)(8,9,28,26)(11,12,29,30)(14,34,37,32)(16,31,35,36)(20,40,38,27)(22,25,39,33)]) \cong$ (C6 x C2) : C2