

**Items Applicable to SDS # AP-001-BL-G@-GHS\_170202**

UPC#	ITEM#	DESCRIPTION	21821-XXXX 22568-1005
22119	5609	G27 BAR-CODED BIN COUNTER DISPLAY	
22168	5658	G2 PRO BAR-CODED BIN DISPLAY	
23017	5673	G2-1 BLACK 48 PC BAR-CODED TUB	
23046	5912	G2-3 ASSORTED ULTRA FINE 48 PC BC TUB	
23721	5721	G2-5/7 12 DOZEN BAR CODED DISPLAY	
23728	5728	G2 LIMITED ASST COUNTER DISPLAY	
23733	5733	G2 FAMILY 26 DOZ PERM DISPLAY	
28715	G27--BLKPNKBC	G27 BCA PNK BLK INK BC DOZ BOX	
31002	G25--BLK	G2 GEL INK ROLLING BALL	
31003	G25--BLU	G2 GEL INK ROLLING BALL	
31004	G25--RED	G2 GEL INK ROLLING BALL	
31005	G25--GRN	G2 GEL INK ROLLING BALL	
31006	G25--PPL	G2 GEL INK ROLLING BALL	
31008	BG25-BLK-6PK	G2 GEL INK ROLLING BALL	
31009	BG25-BLU-6PK	G2 GEL INK ROLLING BALL	
31010	BG25-RED-6PK	G2 GEL INK ROLLING BALL	
31014	BG252BLK-6PK	G2 GEL INK ROLLING BALL 2 PACK	
31015	BG252BLU-6PK	G2 GEL INK ROLLING BALL 2 PACK	
31016	BG252RED-6PK	G2 GEL INK ROLLING BALL 2 PACK	
31017	G27C3002	G2 ASSORTED 3 PACK FINE PT	
31020	G27--BLK	G2 GEL INK ROLLING BALL	
31021	G27--BLU	G2 GEL INK ROLLING BALL	
31022	G27--RED	G2 GEL INK ROLLING BALL	
31023	G27C3001	G2 GEL INK ROLLING BALL 3 PACK ASSORTED	
31024	G2710BLK	G27 BLK 10 PACK	
31025	G27--GRN	G2 GEL INK ROLLING BALL	
31026	BG27-BLK-6PK	G2 GEL INK ROLLING BALL	
31027	BG27-BLU-6PK	G2 GEL INK ROLLING BALL	

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UPC#	ITEM#	DESCRIPTION
31028	BG27-RED-6PK	G2 GEL INK ROLLING BALL
31029	G27--PPL	G2 GEL INK ROLLING BALL
31031	BG272BLK-6PK	G2 GEL INK ROLLING BALL 2 PACK
31032	BG272BLU-6PK	G2 GEL INK ROLLING BALL 2 PACK
31033	BG272RED-6PK	G2 GEL INK ROLLING BALL 2 PACK
31034	G27C4001	G2 GEL INK ROLLING BALL 4 PACK ASSORTED
31051	BG272GRN	G2 FINE GREEN 2- PACK
31052	BG272PPL-6PK	G2 PURPLE FINE - 2 PACK
31055	G25C4BLK	G2 GEL INK ROLLING BALL 4 PACK
31056	G25C4BLU	G2 XFINE 4-PACK BLUE
31057	G27C4BLK	G2 GEL INK ROLLING BALL 4 PACK
31058	G27C4BLU	G2 GEL INK ROLLING BALL 4 PACK
31065	G27C4002	G2 ASSORTED 4 PACK FINE PT
31076	G27--001-CB	G2-7 ASSORTED FINE DZ CLEAR BOX
31078	G27C5BLK	G2-7 5 PACK BLACK
31079	G27C5001	G2-7 5 PACK ASSORTED
31084	G21C4BLU	G2 BOLD 4PK BLUE
31094	BG272003	G2-7 2 PACK ASSORTED
31095	BG2P7BLK-001	G2 PRO GEL - 1 PACK ASST BARREL BLK
31096	BG2P7BLK-BLU	G2 PRO GEL - BLK 1 PACK - BLUE BARREL
31103	G25--BLK-BC	G2-5 BLK XF BAR-CODED PEN
31104	G25--BLU-BC	G25 BLU XF BAR -CODED PEN
31105	G25--RED-BC	G2-5 RED XF BAR-CODED PEN
31106	G25--GRN-BC	G2-5 GREEN XF BAR-CODED PEN
31107	G25--PPL-BC	G2-5 PURPLE XF BAR-CODED PEN
31116	G27--NVY-BC	G2-7 NAVY FINE BC DOZEN BOX
31118	G27--LIM-BC	G2-7 LIME FINE BC DOZEN BOX
31119	G21--BLU-BC	G2-1 BLU BOLD BC DOZEN BOX

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UPC#	ITEM#	DESCRIPTION
31120	G21--RED-BC	G2-1 RED BOLD BC DOZEN BOX
31123	G27C3BLK	G2-7 3 PACK BLACK
31127	G27C3PPL	G2-7 3 PACK PURPLE
31128	G27C8001-P	G2 FINE ASST 8 PK POUCH
31130	G25--BLK-CB	G25 - CLEAR DOZEN BOX
31136	G27--BLK-CB	G27 - CLEAR DOZEN BOX
31137	G27--BLU-CB	G27 - CLEAR DOZEN BOX
31147	BG2P7BLK-GRY	G2 PRO GEL - BLK 1 PACK - GRAY BARREL
31170	G27--BLK-BC	G2-7 BLACK- FINE BAR-CODED PEN
31171	G27--BLU-BC	G2-7 BLUE - FINE BAR-CODED PEN
31172	G27--RED-BC	G27 RED -FINE BAR-CODED PEN
31173	G25C5BLK	G2-5 5 PACK BLACK
31174	G27--PNK-BC	G2-7 PINK FINE BC DOZEN BOX
31175	G27--PPL-BC	G2-7 PURPLE - FINE BAR-CODED PEN
31176	G27--TRQ-BC	G2-7 TURQUOISE FINE BC DOZ BOX
31177	G27--GRN-BC	G2-7 GREEN - FINE BAR-CODED PEN
31187	G27--NVY	G2-7 NAVY DOZEN BOX
31191	G27C4RED	G2-7 4 PACK RED
31192	G27C4005	G2-7 4 PACK ASSORTED
31197	G27C4004	G2-7 4 PACK ASSORTED
31198	G27C3004	G2-7 3 PACK ASSORTED
31202	G2S73001	G2-7 MINI 3 PACK ASST
31203	G2S74001	G2-7 MINI 4 PACK ASST
31206	G2S74BLK	G27 MINI 4 PACK BLACK
31207	G2S73002	G2-7 MINI 3 PACK ASST
31210	G2S7-BLK-BC	G2-7 MINI BLACK F BAR-CODED PEN
31211	G2S7-BLU-BC	G2-7 MINI BLUE F BAR-CODED PEN
31236	G2710003	G27 AST 10 PACK

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UPC#	ITEM#	DESCRIPTION
31237	G21--BLK-BC	G2-1 BLK BOLD BC DOZEN BOX
31247	G27--BRG-BC	G2-7 BURGUNDY FINE BC DOZ BOX
31250	BG212BLK	G2-1 2 PACK BLACK BOLD
31251	BG212BLU	G2-1 2 PACK BLUE BOLD
31254	G21C4BLK	G2-1 4 PACK BLACK
31255	G21C4001	G2-1 4 PACK ASSORTED
31256	G21--BLK	G21 BLACK BOLD DOZEN BOX
31257	G21--BLU	G21 BLUE BOLD DOZEN BOX
31258	G21--RED	G21 RED BOLD DOZEN BOX
31265	G27--ORG-BC	G2-7 ORANGE FINE BC DOZEN BOX
31266	G27C5003	G2-7 5 PACK ASST
31271	BG232BLK	G2-3 ULTRA FINE POINT BLACK - 2 PACK
31272	BG232BLU	G2-3 ULTRA FINE POINT BLUE - 2 PACK
31275	G23C4BLK	G2-3 ULTRA FINE BLACK 4 PACK
31276	G23C4001	G2-3 ULTRA FINE ASST 4 PACK
31277	G23--BLK	G2-3 BLACK ULTRA FINE DOZEN BOX
31278	G23--BLU	G2-3 BLUE ULTRA FINE DOZEN BOX
31279	G23--RED	G2-3 RED ULTRA FINE DOZEN BOX
31294	G2720001-CW3	G2 FINE ASSORTED 20PC WALLET
31298	G25C5BLU	G2-5 EXTRA FINE BLUE - 5 PACK
31299	G27C5BLU	G2-7 BLUE - 5 PACK
31300	G25C5001	G2-5 EXTRA FINE ASSORTED - 5 PACK
31303	G21C5BLK	G2-1 BOLD BLACK - 5 PACK
31306	G23C5BLK	G2-3 ULTRA FINE BLACK 5 PACK
31312	BG272PNK-BCA	G2 2PK BREAST CANCER AWARENESS PEN WITH PINK INK
31321	G23--BLK-BC	G2-3 BLK ULTRA FINE BC DOZ BOX
31322	G23--BLU-BC	G2-3 BLUE ULTRA FINE BC DOZ BOX
31323	G23--RED-BC	G2-3 RED ULTRA FINE BC DOZ BOX



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UPC#	ITEM#	DESCRIPTION
31331	BG272BLK-PNK	G2 2PK BREAST CANCER AWARENESS PEN WITH BLACK INK
31332	G27--BLK-PNK	G27 PNK BCA DOZEN BOX BLK INK
31365	G2FC2BLKF001	G2 FASHION BLACK FINE 2 PACK ASSORTED DESIGNS BLU/ORG
31366	G2FC2BLKF002	G2 FASHION BLACK FINE 2 PACK ASSORTED DESIGNS PNK/SLV
31367	G2FC2BLKF003	G2 FASHION BLACK FINE 2 PACK ASSORTED DESIGNS MIX CHIP
31368	G2FC2BLKFSLV	G2 FASHION BLACK FINE 2 PACK SILVER
31369	G2FC3BLKF001	G2 FASHION BLACK FINE 3 PACK ASSORTED SV/PK/GN
31370	G2FC3BLKF002	G2 FASHION BLACK FINE 3 PACK ASSORTED SV/OR/BL
31371	G2FC3BLKF003	G2 FASHION BLACK FINE 3 PACK ASSORTED MIX CHIP
31372	G2FC4BLKF001	G2 FASHION BLACK FINE 4 PACK ASSORTED
31373	G2FC5BLKF001	G2 FASHION BLACK FINE 5 PACK ASSORTED DESIGNS
31381	GFCC4001F	G2 FASHION COLORS FINE 4 PK AST MIXED CHIP
31382	GFCC5001F	G2 FASHION COLORS FINE 5 PK AST MIXED CHIP
31383	GFCC2003F	G2 FASHION COLORS FINE 2 PK AST MIXED CHIP
31387	G27C9BLK	G2-7 BLACK 9-PACK
31394	G2F--BLKFBLBC	G2 FASHION BLACK INK BLUE DESIGN BC DOZEN BOX
31395	G2F--BLKFGRBC	G2 FASHION BLACK INK GREEN DESIGN BC DOZEN BOX
31396	G2F--BLKFORBC	G2 FASHION BLACK INK ORANGE DESIGN BC DOZEN BOX
31397	G2F--BLKFPKBC	G2 FASHION BLACK INK PINK DESIGN BC DOZEN BOX
31409	G27--RED-CB	G27 RED CLEAR DOZEN BOX
31415	G2F--BLKFSLBC	G2 FASHION BLACK INK SILVER DESIGN BC DOZEN BOX
31495	GFC--TRQFBLBC	G2 FASHION TRQ INK BLUE DESIGN BC DOZEN BOX
31496	GFC--PNKFBC	G2 FASHION PNK INK PNK DESIGN BC DOZEN BOX
31497	GFC--ORGFBC	G2 FASHION ORG INK ORG DESIGN BC DOZEN BOX
31498	GFC--LIMFGRBC	G2 FASHION LIM INK GRN DESIGN BC DOZEN BOX
31535	BG2E7BLK-NSLV	G2 LIMITED 1 PK FINE POINT SILVER TRAPPED
31536	BG2E7BLK-NGRY	G2 LIMITED 1 PK FINE POINT GREY TRAPPED
31537	BG2E7BLK-NGLD	G2 LIMITED 1 PK FINE POINT GOLD TRAPPED

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UPC#	ITEM#	DESCRIPTION
31538	BG2E7BLK-NPPL	G2 LIMITED 1 PK FINE POINT PURPLE TRAPPED
31539	BG2E7BLK-NRED	G2 LIMITED 1 PK FINE POINT RED TRAPPED
31540	BG2E7BLK-NBLU	G2 LIMITED 1 PK FINE POINT BLUE TRAPPED
31541	BG2E7BLK-N001	G2 LIMITED 1 PK FINE POINT AST TRAPPED
31542	BG2E7BLK-N002	G2 LIMITED 1 PK FINE POINT AST TRAPPED
31543	BG2E7BLK-N003	G2 LIMITED 1 PK FINE POINT AST TRAPPED
31603	BB2P-BLKF	B2P GEL BLACK 1PK
31604	BB2P-BLUF	B2P GEL BLUE F 1PK
31605	BB2P2BLKF	B2P GEL BLACK F 2PK
31606	BB2P2BLUF	B2P GEL BLUE F 2PK
31607	B2PC3BLKF	B2P GEL BLACK F 3PK
31608	B2PC3001F	B2P GEL ASST F 3PK
31617	BB2P2REDF	B2P GEL RED F 2PK
31619	B2PC3BLUF	B2P GEL BLUE F 3PK
31620	B2P--GRNF-BC	B2P GEL FINE DOZEN BOX BC - GREEN
31622	B2P--PPLF-BC	B2P GEL FINE DOZEN BOX BC - PURPLE
31646	G21--BRG-BC	G2 BOLD BC DOZ BOX BRG
31647	G21--GRN-BC	G2 BOLD BC DOZ BOX GRN
31648	G21--PPL-BC	G2 BOLD BC DOZ BOX PPL
31649	G21--TEA-BC	G2 BOLD BC DOZ BOX TEA
31651	G21C4002	G2 1.0 BOLD ASST 4PK
31654	G21C8001-P	G2 BOLD ASSORTED 8-PK POUCH
31669	CS379	G27 4PK BLACK CLIPSTRIP
31672	CS380	G27 2PK BLUE CLIPSTRIP
31673	GFMFC2001F	G2 MOSAICS 2PK F BLK INK MIX CP
31675	GFMFC4001F	G2 MOSAICS 4PK F ASST
31676	GFMFC5001F	G2 MOSAICS 5PK F ASST
31693	GFM--BLKF-BC	G2 MOSAIC BC DOZ BOX F BLK

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UPC#	ITEM#	DESCRIPTION
31694	GFM--BLUF-BC	G2 MOSAIC BC DOZ BOX F BLU
31695	GFM--BRGF-BC	G2 MOSAIC BC DOZ BOX F BRG
31696	GFM--PPLF-BC	G2 MOSAIC BC DOZ BOX F PPL
31697	GFM--TEAF-BC	G2 MOSAIC BC DOZ BOX F TEA
34308	TG2C1BLKF001	G2 STYLUS BLK F 1PK MX CHP
34309	TG2C2BLKFGRY	G2 STYLUS BLK F 2PK GRY
34310	TG2C2BLKF002	G2 STYLUS BLK F 2PK RED/TRQ
34312	TG2C3BLKF001	G2 STYLUS BLK F 3PK
34319	TG2--BLKFGYBC	G2 STYLUS BLK F GRY BC DZ BOX
34320	TG2--BLKFRDBC	G2 STYLUS BLK F RED BC DZ BOX
34322	TG2--BLKFTQBC	G2 STYLUS BLK F TRQ BC DZ BOX
36620	B2CC4001F	B2P COLORS 4PK MIXED CHIP
36621	B2CC5001F	B2P COLORS 5PK MIXED CHIP
36622	B2CC2001F	B2P COLORS 2PK MIXED CHIP
36623	B2CC3002F	B2P COLORS 3PK MIXED CHIP
36624	B2C--LIMF	B2P COLORS LIME DOZEN BOX BARCODED
36625	B2C--PNKF	B2P COLORS PINK DOZEN BOX BARCODED
36626	B2C--PPLF	B2P COLORS PURPLE DOZEN BOX BARCODED
36627	B2C--GRNF	B2P COLORS GREEN DOZEN BOX BARCODED
36628	B2C--TRQFBLU	B2P COLORS TURQUOISE DOZEN BOX BARCODED
36629	B2C--BLKFCLR	B2P COLORS BLACK DOZEN BOX BARCODED
36630	B2C--ORGF	B2P COLORS ORANGE DOZEN BOX BARCODED
36709	G2P7-001-BC	G2 PRO BAR-CODED ASST DOZ BOX
41775	CS275	G2 PINK BREAST CANCER AWARENESS- 2 PK CLIPSTRIP, PINK INK
41776	CS276	G2 PINK BREAST CANCER AWARENESS- 2 PK CLIPSTRIP, BLACK INK
46062	4662	G2/G2F/GFC 2P 80P COUNTER DISPLAY
46063	4663	G2 4PK 60PC COUNTER DISPLAY
46065	4665	G2 AST 10PK W/FG 20PC CTR DISP

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UPC#	ITEM#	DESCRIPTION
46066	4666	G2/G2F/G2M 4PK 60PC COUNTER DISPLAY
46067	4667	G27 2PK 80PC COUNTER DISPLAY
51054	5154	G27/G21 2PK 48PC COUNTER DIS
51055	5155	G2 FASHION 2PK 30PC COUNTER DIS
51056	5156	G27 4PK 48PC COUNTER DISPLAY
52006	5206	G2 STYLUS ASST 72PC BC DISPLAY
52007	5207	G2 STYLUS ASST 36PC BC TUB
53002	5302	G27/GFC 4PL 24PC COUNTER DISP
53007	5307	G27 B/B/R 2PK 36PC COUNTER DISP
53008	5308	G2/GFC 2/4PK 60PC SPW W/ BASE
53067	5367	B2P GEL/COLORS 2PK 36P CNTR DIS
53068	5368	G2 SINGLES 72PC HANGING DISPLAY
53084	5384	G2F/GFC 2PK POWERWING
54014	5414	G27/GFC 4PK 32PC COUNTER DISP
54023	5423	G27 4PK 24PC COUNTER UNIT
54026	5426	G27 2PK 36PC HOLIDAY DISPLAY
54031	5431	G2 5PK 32PC COUNTER DISPLAY
54034	5434	G2 2PK 24PC COUNTER DISPLAY
54035	5435	G2 2PK 54PC COUNTER DISPLAY
54036	5436	G2 5PK 20PC COUNTER DISPLAY
57057	5757	B2P FAMILY 36PC CARDED DISPLAY
57089	5789	G2 FASHION 2PK 36 PC COUNTER UNIT
57090	5790	G27 & G2F 2PK 36PC COUNTER UNIT
57096	5796	G2 FASHION 72PC ASST BC DISPLAY
57097	5797	G2 FASHION 48PC TUB DISPLAY
58009	5809	B2P COLORS 72 PC ASST DISPLAY
58013	5813	G2-7 72PC BC ASST DISPLAY
58022	5822	G2 FASHION COLORS 72PC DISPLAY



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UPC#	ITEM#	DESCRIPTION
58023	5823	B2P COLORS 2PK ASST 36PC CU
58036	5836	G2 BOLD 72PC BC DISPLAY
58055	5855	G2 10PK ASST 24PC TRAY
58061	5861	G2 10PK BLACK 24PC TRAY
58073	5873	G2 MOSAICS 72PC BC DISPLAY
58074	5874	G2 MOSAIC 36PC 2PK CU
58081	5881	G2/FXC/PV5/AWB 132PC 1/2 ENDCAP
59015	5915	G2 BREAST CANCER AWARENESS TUB W/ PINK INK
59016	5916	G2 BREAST CANCER AWARENESS TUB W/ BLACK INK
59037	5937	G2 BCA 48 PC TUB W/ LID
75044	7544	G2 2/4PK 96PC POWERWING DISP
75057	7557	G2 ASST 2PK SIDELESS POWERING
75058	7558	G2 60PC POWER WING W/BASE
75061	7561	G2 2PK 150PC POWER WING W/BASE
77002	BG23RRED	G2 REFILL RED ULTRA FINE 2PK
77003	BG23RGRN	G2 REFILL GREEN ULTRA FINE 2PK
77252	BG27RNVY-6PK	G2 REFILL NAVY FINE 2PK
77253	BG27RPNK-6PK	G2 REFILL PINK FINE 2PK
77254	BG27RTRQ-6PK	G2 REFILL TURQUOISE FINE 2PK
77255	BG27RBRG-6PK	G2 REFILL BURGUNDY FINE 2PK
77256	BG27RORG-6PK	G2 REFILL ORANGE FINE 2PK
77257	BG27RTEA-6PK	G2 REFILL TEAL FINE 2PK
77258	BG27RPWK-6PK	G2 REFILL PERIWINKLE FINE 2PK
77259	BG27RLIM-6PK	G2 REFILL LIME FINE 2PK
77260	BG27RCAR-6PK	G2 REFILL CARAMEL FINE 2PK
77287	BG23RBLK	G2 REFILL 2 PACK BLK ULTRA FINE
77288	BG23RBLU	G2 REFILL BLUE ULTRA FINE 2PK

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UPC#	ITEM#	DESCRIPTION
77289	BG21RBLK	G2 REFILL 2 PACK BLK BOLD PT.
77290	BG21RBLU	G2 REFILL 2 PACK BLU BOLD PT.
77359	BG27RHGR-6PK	G2 REFILL HUNTER GREEN FINE 2PK
77360	BG21RRED	G2 REFILL RED BOLD 2PK
77361	BG21RGRN	G2 REFILL GREEN BOLD 2PK
77362	BG21RPNK	G2 REFILL PINK BOLD 2PK
77363	BG21RPPL	G2 REFILL PURPLE BOLD 2PK
77364	BG21RBRG	G2 REFILL BURGUNDY BOLD 2PK
77365	BG21RTEA	G2 REFILL TEAL BOLD 2PK
83077	8377	G2 2PK BCA 36PC COUNTER DISPLAY
84065	8465	G2 FINE BLK 36PC TUB W/LID
84066	8466	G2 FINE BLUE 36PC TUB W/LID
84097	8497	G2 FINE 4PK 36PC PDQ
85025	8525	G2-7 ASST/FASHION 36PC 2PK CU

Product Name : G-2

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**SAFETY DATA SHEET**

Date of Issue: February 2, 2017  
 SDS No.: AP-001  
 Version: 001


**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

This product is a writing instrument to be recognized as Article.

This SDS is prepared regarding ink contained in an Article.

**1.1. Product identifier.**

Product name : G-2  
 : BL-G2-38-BL-B/R/L/G  
 BL-G2-10-BL-B/R/L/G/V/P/DR/PG  
 BL-G2-10-S8N-A  
 BL-G2-5-BL-B/R/L/G/V  
 BL-G2-7-BL-B/R/L/G/BB/V/P/DR/LB/O/HG/PG/SB/LG/CA  
 BL-G2-7-S8N-A  
 BLG27-AST-A(CB)  
 BL-G2-7-BL-R/P-B  
 BL-G27-NP-BL-L  
 BLG27-VP-BL-MLB/MGB/MPB/MOB/SIB  
 BLG27-VPBL-MLLB/MPP/MGLG/MOO  
 BLG27DP-BL-BB/GG/VV/LBLB/PP  
 BLG27MPBL-MBB/MLL/MVV/MDRDR/MPGPG  
 BLG27SP-BL-BB/RR/LL/VV/PGPG/SISI  
 BL-G2-7-BL-GD/SI/MG/ML/MP/MV  
 BL-G2 7M-S8N-A  
 BLS-G2-38-BL-B/R/L/G  
 BLS-G2-5-BL-B/R/L/G/V  
 BLS-G2-7-BL-B/R/L/G/BB/V/P/DR/LB/O/HG/PG/SB/LG/CA  
 BLS-G2-10-BL-B/R/L/G/V/P/DR/PG  
 Mixture name : G-2- B/R/L/G/BB/V/P/DR/LB/O/HG/PG/SB/LG/CA/  
 GD/SI/MG/ML/MP/MV/W

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses :Ink for writing instrument

**1.3. Details of the supplier of the safety data sheet**

Name of manufacture : PILOT CORPORATION  
 / supplier  
 Address : 6-21,Kyobashi 2-chome,Chuo-ku,Tokyo 104-8304 Japan  
 Telephone number : 03-3538-3700  
 Working hours (from 09.00am to 05.30pm: Japanese time)  
 Facsimile number : 03-3538-3909  
 E-mail address : international@pilot.co.jp

Product Name : G-2

SDS No.:AP-001

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**2. HAZARDS IDENTIFICATION****2.1. GHS Classification of the substance or mixture.**

Skin Sens : Category 1

**2.2. GHS label elements**

Pictogram



Signal word

Warning

Hazard statement(s)	H317	May cause an allergic skin reaction
Prevention	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P280	Wear protective gloves / protective clothing / eye protection / face protection.
Response	P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
	P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
	P321	Specific treatment (see ... on this label)
	P363	Wash contaminated clothing before reuse.
Storage		
Disposal	P501	Dispose of contents/container to ...

2.3. Other hazards : None

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Substance or mixture : Mixture

Ingredients and composition

Ingredients	CAS No.	% Weight	Classification	Component
Ethylene glycol	107-21-1	2-24	Acute Tox.4 H302	All Colors
1,2-Benzisothiazolin-3-one	2634-33-5	<0.07	Skin Sens.1 H317 (Skin Sens. 1; H317: C ≥ 0,05 %)	All Colors
Coloring materials	Trade secret	2-8	Not Classified	All Colors
Others	Trade secret	remnant	Not Classified	All Colors

H302: Harmful if swallowed

H317: May cause an allergic skin reaction



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**4. FIRST AID MEASURES**

## 4.1. Description of first aid measures

- Inhalation : Remove subject to ventilated fresh air. Consult physician if necessary.
- Ingestion : Refer for medical attention.
- Skin contact : Wash the affected area under tepid running water using a mild soap.  
And refer for medical attention if irritation continues.
- Eye contact : Gently rinse the affected eyes with clean water for at 15 minutes.  
And refer for medical attention if irritation continues.
- First aid facilities : Ensure eyewash and water service are available.

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

There is no specific antidote. Treat symptoms.

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

In case of skin or eye contamination treat as under First Aid Measures.

**5. FIRE-FIGHTING MEASURES**

- 5.1. Extinguishing media : In case of fire, use water spray, foam, dry, chemical powder or carbon dioxide.
- 5.2. Special hazards arising from the substance or mixture : CO<sub>2</sub>, CO, NO<sub>x</sub>, and SO<sub>x</sub>, is produced after combustion.
- 5.3. Advice for firefighters :None.

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1. Personal precautions, protective equipment and emergency procedures  
: Use proper ventilation. Use eye and skin protection.
- 6.2. Environmental precautions  
: Do not dispose of waste to the sewer.
- 6.3. Methods and material for containment and cleaning up  
: Absorb spill with material (cloth or paper), then place in a chemical waste containers.
- 6.4. Reference to other sections :None

**7. HANDLING AND STORAGE**

- 7.1. Precautions for safe handling  
: Avoid rough handling or dropping.  
Wear protective gloves / protective clothing /eye protection / face protection.
- 7.2. Conditions for safe storage, including any incompatibilities  
: Store in a dry, cool, well-ventilated location.
- 7.3. Specific end use(s)  
: Not use it except the ink for writing instruments.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1. Control parameters**

	ACGIH	
	Limit value - Eight hours	Limit value - Short term
Ethylene glycol	20ppm	40ppm
1,2-Benzisothiazolin-3-one	No data	

**8.2. Exposure controls**

:Wear protective gloves / protective clothing /eye protection / face protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

(a) Appearance	: Viscous liquid (Color) Black , Red , Blue, Green, Blue Black, Violet, Pink, Dark Red, Light Blue, Orange, Hunter Green, Peacock Green, Sky Blue, Lime Green, Caramel, Gold, Silver, Metallic Green, Metallic Blue, Metallic Pink, Metallic Violet, White
(b) Odor	: Slight characteristic.
(c) Odor threshold	: No data
(d) PH	: 7-10
(e) Melting point / Freezing point	: No data
(f) Boiling point / boiling range	: About 100 degrees Celsius.
(g) Flash point	: Not applicable
(h) Evaporation rate	: No data.
(i) Flammability (solid, gas)	: None.
(j) Upper/lower flammability or explosive limits	: None.
(k) Vapor pressure	: No data.
(l) Vapor density	: No data.
(m) Relative density	: 1.10-1.12 (at 20 degrees Celsius)
(n) Solubility(ies)	: Soluble in water
(o) Partition coefficient: n-octanol / water	: Not available.
(p) Auto-ignition temperature	: Not Auto-ignition
(q) Decomposition temperature	: No data.
(r) Viscosity	: <4,000 mPa.s (1.9 s <sup>-1</sup> at 20 degrees Celsius)
(s) Explosive properties	: No data.
(t) Oxidising properties	: No data.
<b>9.2. Other information</b>	: None

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**10. STABILITY AND REACTIVITY**

10.1. Reactivity	: This material is stable.
10.2. Chemical stability	: This material is stable.
10.3. Possibility of hazardous reactions	: This material is stable.
10.4. Conditions to avoid	: No data
10.5. Incompatible materials	: No data.
10.6. Hazardous decomposition products	: No data.

**11. TOXICOLOGICAL INFORMATION**

Mixture: No data

11.1. Information on toxicological effects		
(a) acute toxicity	Ethylene glycol	LD50 Oral-rat-4,700mg/kg LD50 Dermal-rabbit-10,626 mg/kg
	1, 2-Benzisothiazolin-3-one	LD50 Oral-rat1,020mg/kg
(b) skin corrosion/ irritation	1, 2-Benzisothiazolin-3-one	Causes skin irritation.
(c) serious eye damage/ irritation	Ethylene glycol	Eyes-rabbit Result: Mild eye irritation-24h
(d) respiratory or skin sensitisation	1, 2-Benzisothiazolin-3-one	May cause allergic skin reaction
(e) germ cell mutagenicity	No data available	
(f) carcinogenicity	No data available	
(g) reproductive toxicity	Ethylene glycol	Laboratory experiments have shown teratogenic effects. Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.
(h) STOT-single exposure	No data available	
(i) STOT-repeated exposure	No data available	
(j) aspiration hazard	No data available	

**12. ECOLOGICAL INFORMATION**

Mixture: No data

12.1. Toxicity	Ethylene glycol	LC50 - Daphnia magna (Water flea) - 41.000 mg/l - 48 h EC50 - Daphnia magna (Water flea) - 74.000 mg/l - 24 h
	1, 2-Benzisothiazolin-3-one	LC50 - Oncorhynchus mykiss (rainbow trout) - 0,8 mg/l - 96,0 h EC50 - Daphnia magna (Water flea) - 4,4 mg/l - 48 h
12.2. Persistence and degradability	Ethylene glycol	no data available Ratio BOD/ThBOD 0,78 %

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12.3. Bioaccumulative potential	Ethylene glycol	Does not bioaccumulate. Bioaccumulation other fish - 61 d - 50 mg/l
12.4. Mobility in soil	No data available	
12.5. Results of PBT and vPvB assessment	No data available	
12.6. Other adverse effects	Ethylene glycol	Harmful to aquatic life.
	1, 2-Benzisothiazolin-3-one	Very toxic to aquatic life.

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### 13. DISPOSAL CONSIDERATIONS

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- 13.1. Waste treatment methods
- Follow all regulations in your country.

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### 14. TRANSPORT INFORMATION

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- 14.1. UN number : Not applicable.
- 14.2. UN proper shipping name : Not applicable.
- 14.3. Transport hazard class(es) : Not applicable.
- 14.4. Packing group : Not applicable.
- 14.5. Environmental hazards : Not applicable.
- 14.6. Special precautions for user : Not applicable.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

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### 15. REGULATORY INFORMATION

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- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Follow all regulations in your country.
- 15.2. Chemical safety assessment
- No data

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### 16. OTHER INFORMATION

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International GHS conformity.  
The information here is given in good faith, but no warranty, express or implied, is made.  
Final determination of suitability of any material is the sole responsibility of the user.

End of SDS