MATERIAL SAFETY DATA SHEET

Distributor:

Emergency Tel. No.

General Binding Corporation

662-720-1300

Revision: Aug. 2005

P.O. Box 840

Booneville, MS 38829

Section I - Product Identification

Trade Names/Synonyms:

Quartet Enduraglide Dry Erase Markers

Part Nos.: 5001M, 5001-1M, 5001-10M,

5001-12M,5001-2M, 8401799

Section II - Hazardous Ingredients

None.

Section III - Physical/Chemical Characteristics

Boiling Point: N/A Melting Point: N/A Solubility in Water: N/A

Specific Gravity (H2O=1): N/A

Vapor Pressure (mmHg): N/A Reactivity In Water: Non-Reactive

Appearance:

Black, Blue, Green and Red Dry Erase Markers

Section IV - Fire and Explosion Hazard Data

Flash Point:

N/A

Auto Ignition:

N/A

Explosion Limits In Air (% by Volume): Not Explosive Extinguishing Media: No Special Media Required.

Special Fire Fighting Procedures: No Special Fire Fighting Procedures Required

Unusual Fire & Explosion Hazards: Combustible



Section V - Physical Hazards/Reactivity

Hazardous Polymerization Products: None Stability: Stable materials to avoid: None Incompatibility [Materials to avoid]: None Hazardous Decomposition Products: None

Section VI - Health Hazard Data

Permissible Exposure Level: See Section II for Component PEL/TLVs.

Primary Routes Of Entry: Eye, Skin, and Ingestion Effects and Systems of Acute Exposure: None Expected Effects and Systems of Chronic Exposure: None Expected Carcinogen Listing: NTP: No IARC: No OSHA: No

See Section II For Components Affected

Medical Conditions Usually Aggravated By Over Exposure To This Product: None

First Aid Measures: None Required No Acute Health Effects Expected.

Section VII - Spill and Leak Procedures

Precautions To Be Taken During Storage And Handling: Not for use by children. Steps To Be Taken In Case A Material Is Spilled: No Special Spill Procedures Required. Waste Disposal Method: Disposal In Accordance With Federal, State and Local Regulations.

Section VIII - Protective Equipment/Control Measures

None Required

Section IX - Additional Information And Warnings

Products bearing the CP or AP Certified Products Seal of the Art & Creative Materials Institute are certified in a program of toxicological evaluation by a nationally recognized authority on toxicology associated with leading university to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. 24 hour emergency information may be obtained by calling the Rocky Mountain Poison Control Center @ 303/739-1110.

This Information Sheet Is For Consumer Use Only.



5390

Material Safety Data Sheet

May be used to comply with

OSHA's Hazard Communication Standard,

Unusual Fire and Explosion Hazards

29 CFR 1910.1200.Standard must be

U.S.Department of Labor

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

consulted for specific requirements.		OMB No.1218-0072				
DENTITY(As Used on Label and List)	Note:Blank spaces are not permitted.If any item is not applicable, or no					
TT. 150	1-0-00000000000000000000000000000000000	information is a	vailable, the	space must be marke	d to indicate that	
Section I						
Manufacture's Name		Emergency Telephone No	ımber			
TAISEI CO., LTD. Address(Number,Street,City,State,and Z	ID Code)	(81) 48-996-9503	f		11. 11. 11.	
986-1, 2-CHOME, YASHIO CITY, SAITAMA PREF. 340-0811, JAPAN	Telephone Number for In (81) 48-996-9503	rormation				
Chemical Name Water White Ink	Date Prepared 2007/12/19					
Chemical Family Water based pigment lnk		Trade Name				
Section II Hazardous Ingred	ients/Identity	Information				
Hazardous Components	CAS. No.	OSHA PEL ACGIH	(TWA) pm	Other limits LD ₅₀ mg/kg	% (optional)	
Ethylene glycol	107-21-1		50	5.500 Mouse	6.10	
1,2-Benzisothiazolin-3-one	2634-33-5				0.20	
Sodium Laureth Carboxylate	33939-64-9				0.12	
Polyoxyethylene Alkyl ether	71060-57-6				0.20	
Polyacrylicacid Copolymer	25113-97-5				2.35	
Sodium Polyacrylate	9003-04-7				0.29	
Pigment White 6	13463-67-7				21.35	
Vater	7732-18-50				69.39	
		Was a second sec				
Section II Physical/Chem	ical Charact	rictics		<u> </u>	75077777	
			T:	***************************************		
Boiling Point	Specific Gra	vity(H ₂ O=1)	Auto-ig	nition temp.		
100_110°C	1 34			nd		
/apor Pressure(mm Hg.)(20°C)	1.34 Melting Poir	nt		n.d. oncentrate		
/apor Pressure(mm Hg.)(20°C) n.d.	Melting Poin		pH in c			
/apor Pressure(mm Hg.)(20°C) n.d.	Melting Poin	nt Rate (Butyl Acetate=1	pH in c	oncentrate		
/apor Pressure(mm Hg.)(20°C) n.d.	Melting Poin		pH in c	oncentrate		
/apor Pressure(mm Hg.)(20°C) n.d. /apor Density(AIR=1) n.d.	Melting Point CC Evaporation		pH in c	oncentrate		
Vapor Pressure(mm Hg.)(20°C) n.d. Vapor Density(AIR=1) n.d. Solubility in Water Solub	Melting Poir CC Evaporation <1	Rate (Butyl Acetate=1	pH in c	oncentrate		
Vapor Pressure(mm Hg.)(20°C) n.d. Vapor Density(AIR=1) n.d. Solubility in Water Appearance and Odor White	Melting Poil CC Evaporation <1	Rate (Butyl Acetate=1	pH in c	oncentrate		
Vapor Pressure(mm Hg.)(20°C) n.d. Vapor Density(AIR=1) n.d. Solubility in Water Solub Appearance and Odor White section IV Fire and Explo	Melting Poil CC Evaporation <1	Rate (Butyl Acetate=1	pH in c	oncentrate 8.0∼9.2	LEC UEC	
Vapor Pressure(mm Hg.)(20°C) n.d. Vapor Density(AIR=1) n.d. Solubility in Water Solub Appearance and Odor White section IV Fire and Exploitable Point(Method Used) (Closin.d.	Melting Poin CC Evaporation <1 Die color Liquid and S DSION Hazard	Rate (Butyl Acetate=1	pH in c	oncentrate 8.0∼9.2	LEL UEL	

Extinguishing Media

Special Fire Fighting Procedures

Unusual Fire and Explosion Hazards

Material Safety Data Shee	Material	Safety	Data	Shee
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Address(Number,Street,City,State,and ZIP 986-1, 2-CHOME, YASHIO CITY, SAITAMA PREF. 340-0811, JAPAN	Telephone Number for Information (81) 48-996-9503				
Chemical Name Water Blue Ink	Date Prepared 2007/12/19				
Chemical Family Water based pigment Ink	Trade Name				
Section II Hazardous Ingredie	nts/Identity	Information		X 100	
Hazardous Components	CAS. No.	i	I(TWA) ppm	Other limits LD ₅₀ mg/kg	% (optional)
1,2-Benzisothiazolin-3-one	2634-33-5				0.10
Polyoxyethylene Alkyl ether	71060-57-6				0.20
Polyether modified dimethylpolysioxane					1.20
Sodium Laureth Carboxylate	33939-64-9				0.24
Stylene Acrylonitrile Copolymer	9003-54-7				40.67
Pigment Blue 15	147-14-8		16		0.83
Water	7732-18-50				55.82
Section II Physical/Chemic	al Charact	eristics			
Boiling Point 100-110°C	Specific Gra	vity(H ₂ O=1)	Auto-ig	gnition temp.	
Vapor Pressure(mm Hg.)(20°C) n.d.	Melting Poin		pH in concentrate 6.5-7.5		
Vapor Density(AIR=1) n.d.	Evaporation (1	Rate (Butyl Acetate=1)		
Solubility in Water	1 \1				
Appearance and Odor	los Lieuid d Ct	inhà adau		******	
section IV Fire and Explos	ion Liquid and Si				

CO2 gas or Chemical Form

Material Safety D	Data S	Sheet
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Manufacture's Name TAISEI CO., LTD.		Emergency Telep		mber		
Address(Number,Street,City,State,and ZIF 986-1, 2-CHOME, YASHIO CITY, SAITAMA PREF. 340-0811, JAPAN	Telephone Number for Information (81) 48-996-9503					
Chemical Name Water Green Ink		Date Prepared 2007/12/19				
Chemical Family Water based pigment Ink		Trade Name			The state of the s	
Section II Hazardous Ingredie	ents/Identity	Information				
Hazardous Components	CAS. No.	OSHA PEL	ACGIH(1		Other limits LD ₅₀ mg/kg	% (optional)
1,2-Benzisothiazolin-3-one	2634-33-5					0.10
Polyoxyethylene Alkyl ether	71060-57-6			2012/1000		0.20
Polyether modified dimethylpolysioxane			11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			1.20
Sodium Laureth Carboxylate	33939-64-9					0.24
Stylene Acrylonitrile Copolymer	9003-54-7					40.67
Pigment Green 7	1328-53-6					0.33
Basic Yellow 40	12221-86-2					2.08
Water	7732-18-50					54.24
0 · · · · · · · · · · · · · · · · · · ·						
Section II Physical/Chemic	cal Characte	eristics				
Boiling Point 100-110°C	Specific Gra	NO. DOMONOTES SA		Auto-ig	gnition temp. n.d.	
Vapor Pressure(mm Hg.)(20°C) n.d.	Melting Poir			pH in d	concentrate 6.5-7.5	
Vapor Density(AIR=1)	Evaporation <1	Rate (Butyl Ace	etate=1)			
Solubility in Water Soluble						
Appearance and Odor	color Liquid and S	Slight odor				
section IV Fire and Explos						
Flash Point(Method Used) (Close n.d.	d Cap)	Flamma	able Lin	nits(Vol	1.%)	EL UEL
Extinguishing Media CO ₂ g	gas or Chemic	cal Form				
Special Fire Fighting Procedures	n.a.					
Unusual Fire and Explosion Haza	rds n.a.					

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Unusual Fire and Explosion Hazards

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Section I						a to moioaco (na	
Manufacture's Name		Emergency Teleg	phone Nu	mber			
TAISEI CO., LTD.		(81) 48-996-9503					
Address(Number,Street,City,State,and 2 986-1, 2-CHOME, YASHIO CITY, SAITAMA PREF. 340-0811, JAPAN	Telephone Number for Information (81) 48-996-9503						
Chemical Name Water Pink Ink	Date Prepared 2007/12	2/19					
Chemical Family Water based pigment Ink		Trade Name	7 13				
Section II Hazardous Ingred	dients/Identity	Information					
Hazardous Components	CAS. No.	OSHA PEL	ACGIH(TWA)	Other limits LD ₅₀ mg/kg	% (optional)	
1,2-Benzisothiazolin-3-one	2634-33-5					0.10	
Polyoxyethylene Alkyl ether	71060-57-6					0.20	
Polyether modified dimethylpolysioxane						1.20	
Sodium Laureth Carboxylate	33939-64-9					0.24	
Stylene Acrylonitrile Copolymer	9003-54-7					40.67	
Basic Red 1;1	3068-39-1					0.83	
Basic Violet 11	2390-63-8					1.25	
Water	7732-18-50					54.57	
				-			
Section II Physical/Chem	nical Characte	eristics			1		
Boiling Point	Specific Gra			A			
100-110°C	1.06	Vicy(112O-17		Auto-ig	gnition temp. n.d.		
Vapor Pressure(mm Hg.)(20°C)	Melting Poir	nt		pH in c	concentrate		
n.d. Vapor Density(AIR=1)	<°C	Rate (Butyl Ace	-1-11)		6.5-7.5		
vapor Density(Atti-1)	Evaporation	Rate (Butyl Ace	etate-1)				
n.d.	<1						
Calibrilla, in Makes							
Solubling in Water Solub	ole						
Appearance and Odor	ole color Liquid and Sli	ght odor					
Appearance and Odor Pink							
Appearance and Odor Pink section IV Fire and Explo	color Liquid and Sli	d Data	able Lin	nits(Vol	1.%)	LEC UEC	
Appearance and Odor Pink section IV Fire and Explo Flash Point(Method Used) (Close n.d.	color Liquid and Sli	d Data Flamma	able Lin	nits(Vo	1.%)		

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Address(Number,Street,City,State,and ZIP Code) 986-1, 2-CHOME, YASHIO CITY, SAITAMA PREF. 340-0811, JAPAN		Telephone Number for Ir (81) 48-996-9503	formation) 	V
Chemical Name Water Yellow Ink	Date Prepared 2007/12/19				
Chemical Family Water based pigment Ink	p-ma	Trade Name			
Section II Hazardous Ingredie	ents/Identity	Information			
Hazardous Components	CAS. No.	OSHA PEL ACGIH	(TWA)	Other limits LD ₅₀ mg/kg	% (optional)
1,2-Benzisothiazolin-3-one	2634-33-5				0.10
Polyoxyethylene Alkyl ether	71060-57-6				0.20
Polyether modified dimethylpolysioxane					1.20
Sodium Laureth Carboxylate	33939-64-9				0.24
Stylene Acrylonitrile Copolymer	9003-54-7				40.67
Basic Yellow 40	12221-86-2				2.08
Water	7732-18-50				54.57
		L			
Section II Physical/Chemic	cal Charact	eristics			
Boiling Point 100-110°C	Specific Gra	vity(H ₂ O=1)	A STATE OF THE STA	nition temp. n.d.	
Vapor Pressure(mm Hg.)(20°C) n.d.	Melting Poin	nt	pH in c	oncentrate 6.5-7.5	
Vapor Density(AIR=1)	Evaporation	Rate (Butyl Acetate=1)		
n.d.	<1				
Solubility in Water Soluble					
Appearance and Odor Yellow	color Liquid and	Slight odor			
section IV Fire and Explos	70. 70.700	10 E22			
Flash Point(Method Used) (Close	d Cap)	Flammable L	mits(Vol	%)	EL DEL
Extinguishing Media CO ₂ g	gas or Chemic	cal Form			
Special Fire Fighting Procedures	n.a.				
Unusual Fire and Explosion Haza	rde na				

Section V	Reactivity	Data							
Stability	Unstable]	Conditions t	o Avoid					
	Stable	Х	High temper	ature ar	nd fire s	ources			
Incompatibility	(Materials to	Avoid)							
Hazardous De	ecomposition o	r Bypro	ducts	00.00					
Hazardous	May occur		Condition to	CO, CC Avoid	2gas				
Polymerization	Will not Occur	Х							
Section VI	Health Da	ata							
Route(s) of I	Entry:	***************	Inhalation?	Yes	**********	Skin?	Yes	ingestion?	Yes
Health Hazard	ds (Acute and (Chronic)	Acute	ə: •Irritat	ө еуе		·Skin	rash	
			Ch	ronic:	n.d.				
Carcinogenicit	y: n.d.	NTP?	IARC	Monogra	aphs?		OSHA	Regulated?	
			-						
Signs and Sym	ptoms of Expos	ure	Irritati	ng to skin	and eyes.				**
					***		11 12	*	
Medical Condi	tions/Generally	Aggrava	ited by Exposi	ure	-	n.d.			
Emergency and	d First Acid Prod	edures	Ingestio	n:Call a p	hysician.	Eyes:	Rinse av	vay thoroughly v	vith water.
***			Skin:Wa	sh off with	plenty of	water a	nd soup		
Section W	Precautio	ns for	Safe Hand	lling an	d Use				
Steps to be take	en in Case Materi	al is Relea	ased or Spilled		Take up v	with abs	orbent r	naterials.	
Waste Disposal N	fethod		Dispose in acco	ordance wi	th local re	gulation	s.		
				late.					
Precaution to Be	Taken in Handlin	g and Sto	ring	Close ca	ap after us	e. Avoid	high ten	perature and fir	e sources.
Other Precaution	ns	n.a.				9		***	
Section W	Control M	leasur	es						
Respiratory Prot	tection(Specify Ty	pe)							
Ventilation	Local Exhaust		n.a.		Special		n.a.		
	Mechanical(Gene	ral)	n.a.		Other		n.a.		
Protective Glove	s		n.a.	Eye Pro	tection		n.a.		
Other Protective	Clothing or Equip	ment	n.a.						
Work/Hygienic Pr	ractices		Ventilation	n.a.					
*Not app	olicable=n.a.		Not determined	=n.d.					2