



ShinHan Art Materials Inc.

Material Safety Data Sheet

1. Identity Information

Products' Name: SHINHAN PREMIUM WATER COLOR

Manufacturer's Name:	ShinHna Art Materials Inc.
Address:	ShinHan Bldg, 16-24 Bulkwang-Dong Eunpyung-Gu, Seoul, South Korea
Department:	R & D
Telephone Number for information:	+82 2 357 2651~4
Fax Number:	+82 2 357 7481
Preparer:	Steven Ahn
Date Prepared	Jan 30, 2008

2. Composition / Ingredients

Substance/Mixture: Mixture

Components	(Specific Chemical Identity, Common Name (s))	
Colorant	(Pigment)*	
Binder	(Arabic Gum)**	Cas No. 9000-01-5
Dispersant	(Sodium Salt of Polymeric Carboxylic Acid)***	Cas No.
Moisturizer	(Glycerine)	Cas No. 56-81-5
Preservative	(Benzisothiazoline)	Cas No. 2634-33-5

*, ** and *** are Main ingredients

*:Individuals of pigments are shown on Table 1 of appendix.

*** are not always used.

UN Class: Not Applicable(N.A.)

3. Physical / Chemical Characteristics

Appearance and Odor:	Colored Paste with unique odor
Boiling Point:	Approx. 100℃
Specific Gravity(H ₂ O=1)	1.10~1.95(Av. 1.43)
Solubility in water	Can be diluted. Can be influenced after dried

4. Fire and Explosion Hazard Data

Flash Point, Ignition Point:	N/A
Flammability:	N/A
Stability and Reactivity:	Stable under normal state
Incompatibility(Materials to avoid)	None
Hazardous Decomposition or Byproducts:	No thermal decomposition when stored and handled correctly. In case of fire, formation of carbon dioxide and oxide of metal according to pigment.
Unusual Fire and Explosion Hazards:	Material will not support combustion unless the water has

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evaporated.

5. Fire-Fighting Measures

Method: Regular
Extinguishing Media: Water(Foam, Dry powder and Carbon dioxide, if necessary)

6. Hazardous Information

Primary Routes of Entry: Dermal, eye contact, inhalation, swallowing
Eye irritation: Irritant to some person
Skin irritation: Irritant by repeated or prolonged contact and may cause inflammation.
Inhalation Toxicity: Not been certified.
Oral Toxicity: Although some of raw materials are pointed as some toxicity, the toxic act of them are not acute.

On pigments, to be noted.:

Colors named with Cadmiums: Contains Cadmium ingredient, influences to fetus, induce kidney or lungs damage.

Cobalt Blue, Cerulean Blue, Verditer Blue: Contains soluble Cobalt, induce anemia and heart or lungs damage.

Peach Black: Soluble Copper, induce anemia

Fish Toxicity: Not Not been certified

7. First-Aid Measures

In case of eye contact, rinse with plenty of water and if necessary consult an eye specialist.
Upon skin contact, wash with plenty of water soap or other non-irritating cleansing agents.
In case of swallowing, drink plenty of water. Induce vomiting. If you feel unwell, seek medical advice.
Inhalation is N/A.

8. Regulations

Danger Class: N.A.(Not flammable liquid)
Law: Fire Law: ditto

9. Precautions for Safe Handling and Use

Exposure Controls/Personal Protection: Avoid invasion to the eyes or body. Avoid prolonged or repeated contact with skin. Wash mouth or hands well after use.
Precautions for Storing and Transport: None, especially
Disposal Considerations: Dispose in accordance with national and/or local regulations.

10. Other Information

All information contained herein is for references and guidance for normal use and not for all conceivable conditions of handling and use.

The responsibility for irregular use belongs to user individuals.

All information are under our knowledge of today and not secure the perfection.

All information may change according to circumstances.

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Appendix

Water Colors name & No.

Color No.	Color name	Color No.	Color name
503	CRIMSON LAKE	615	VERDITER BLUE
506	PERMANENT ROSE	621	ULTRAMARINE LIGHT
512	PERMANENT RED	622	ULTRAMARINE DEEP
516	SCARLET LAKE	631	LAVENDER
521	SHELL PINK	654	BRIGHT ROSE
548	PERMANENT YELLOW LIGHT	667	BROWN
553	LEMON YELLOW	668	BROWN RED
555	NAPLES YELLOW	669	BURNT UMBER
558	JAUNE BRILLIANT NO.2	670	RAW UMBER
577	GREEN DEEP	671	RAW SIENNA
582	VIRIDIAN HUE	679	VANDYKE BROWN
584	PEACOCK GREEN	687	NEUTRAL TINT
611	HORIZON BLUE	514	BROWN MADDER
614	BLUE GREY	527	VERMILION
617	CERULEAN BLUE HUE	531	CADMIUM RED ORANGE
619	COBALT BLUE HUE	533	BRILLIANT ORANGE
625	PRUSSIAN BLUE	535	PERMANENT YELLOW ORANG
626	ROYAL BLUE	537	CADMIUM YELLOW ORANGE
629	INDIGO	547	PERMANENT YELLOW DEEP
649	LILAC	566	PERMANENT GREEN NO.1
663	LIGHT RED	581	VIRIDIAN
665	BURNT SIENNA	589	SAP GREEN
674	YELLOW OCHRE	593	SHADOW GREEN
681	SEPIA	603	MARINE BLUE
683	IVORY BLACK	645	MINERAL VIOLET
690	DAVY'S GREY	652	BRIGHT VIOLET
693	CHINESE WHITE	508	ROSE MADDER
507	CARMINE	524	CADMIUM RED DEEP
518	OPERA	538	CADMIUM YELLOW DEEP
519	BRILLIANT PINK	543	INDIAN YELLOW
528	VERMILION HUE	560	GREENISH YELLOW
562	OLIVE GREEN	618	COBALT BLUE
564	LEAF GREEN	643	PERMANENT VIOLET
567	PERMANENT GREEN NO.2	657	PERMANENT MAGENTA
575	HOOKER'S GREEN	579	COBALT GREEN
583	EMERALD GREEN NOVA		
609	PEACOCK BLUE		

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