Product Safety Data Sheet

1.	Product and Company Information				
	Product name PGB Clover 1/2 (Clover 1/2)				
	Manufacturer : Sakura Color Products Corp.				
	Address : 1-6-20 Morinomiya Chuo, Chuo-Ku, Osaka, Japan				
	Tel No. : 06 - 6910 - 8816				
	Fax No. : 06 - 6910 - 8832				
	Product Code No. : PGB Clover 1/2				
	File No. : PGB Clover 1/2-002				
2.	Composition Information on Ingredients				
	Monomorphic or Compound : Compound				
	General Product Name : Water Soluble Chalk Pen				
	Hazardous Compounds & Contents:				
	Components Contents Official Gazzete No. CAS No.				
	Propylene glycol 5.3 % (2) - 234 57-55-6				
3.	Hazardousness				

Most Hazardousness Toxicity : No

Toxicity : Not known Environmental Effect : Not known Physical & Chemical Risk : Least risk for fire under a normal use. Name of category (under Japan standard) : Not applicable to Classificatory Criterion in Japan.

4. Emergency Measure

In case hazardous material was inhaled : If any subjective symptom may be found, move to a place to get fresh air, try to lie quietly and keep warm, and then receive doctor's treatment immediately.

In case skin was exposed : Wash out polluted parts with water using soap, etc. Should any inflammation or eruption be caused, receive doctor's treatment immediately.

In case eye(s) was (were) exposed : Wash out with clean water for 15 minutes or more, and receive doctor's treatment immediately.

In case hazardous material was swallowed: Do not vomit it forcibly, and receive doctor's treatment immediately.

5. Measure When Fire Caused

Extinguishing media : Use powder, carbonic acid gas, dry sand, etc. Extinguishing media not to be used : Nothing in particular. Way of extinguishing fire : Shut off burning source to the source of fire, and extinguish the fire using a proper, suitable extinguishing media. Try to extinguish the fire from the windward as much as possible so that avoid any inhalation of hazardous gas. Way to protect a person when extinguishing fire : Put on a proper protective equipment (such as gloves, glasses, etc.) when extinguishing fire.

 Measures When Hazardous Material Was Leaked Out Notice to human body : Nothing in particular.

Notice to environment :	Pay good attention not to discharge hazardous materials
	into river, etc. so that any wrong effect wouldn't
	cause in the environment.

Removal Method : When the amount is not much (or little) absorb it to something like cloth, etc., and correct it into a container shutting it off tightly.

Points, Attention to be Paid When Handle and Store Handle :

> Measure on technic : Nothing in particular. Notice to be paid : Nothing in particular. Notice specifically paid on Safety : Nothing in particular.

Store :

Proper condition for storing : Avoid direct sunlight, and not store in a place where temperature is getting high. Avoid direct sunlight, and keep it away from a fire or heat source.

Safety Container and/or Package : Nothing in particular.

8. Measure to Prevent from Exposure

Measure for facility : No need to take anything special under a normal use. Maximum allowable concentration:

Components	Administrative	Japan Association	ACGIH	
	Levels	of Industrial Health		
		(2001 Edition)	(2001 Edition)	
No special ingredient applicable				

Protecting Tool : No need for normal use.

7.

9. Physical and Chemical Properties (Ink)

Physical condition Shape : Liquid, directly contained in the body of Pen. Color : White. Fragrance : Almost no smell. рН : 8.5 to 10.5 Specific temperature/temp. area, physical condition to be changed: About 100° C Boiling point : Melting point : No data available : No data available Steam pressure Density : 1 and more Solubility : Solubility against organic solvent. Soluble in water.

Stability and Reacting Level
Stability : Stable under expectable, normal handling conditions.
Reacting-level : Cause a chemical reaction with a strong oxidizing compound and acid.
Materials to be avoided : Strong oxidizing compound and acid.
Hazardous degradation : May possibly arise a hazardous gas like CO, NOx, etc. when burning.

11. Information on Hazardousness

As there is no data available about an acute toxicity (as a product), describe an ingestion value in rats instead.

Propylene glycol 20,000mg/kg

12. Ecological Information

No knowledge available for the moment

- Points Attention to be Paid When Dispose
 Disposal should be done following the act, rule and standard of National, and Local governments.
- Caution for Transportation
 Make sure no leak of contents nor breakage on container/package were occurred.
- 15. Applicable Law

On product : Nothing in particular
On materials : Fire Service Act, Type 4, Class 3 - petroleum and water soluble
liquids (propylene glycol).

16. Other Information

Reference data : Guidelines to make MSDS (Revised) - Issued by Japan Chemical Industry Association (JCIA) MSDS of each raw material mixture - By each manufacture. Chemical products in 402 - The Chemical Daily Pte. Ltd., Japan

* This MSDS does not mean to provide any guarantee for safety. Please, therefore, use this MSDS as just a reference information for handling this product, and take a proper measures basing on the reality occurred and users' responsibility.