



MATSUI SHIKISO CHEMICAL CO., LTD.

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INTERNATIONAL DEPARTMENT

Aroma Granule Aqualite (AQ) Ink

1. Summary :

Aroma Granule Aqualite Ink (AQ Ink) is a waterbased slurry in which various kinds of perfume are compounded stably as well as in high concentration through our original micro-encapsulating technology. Aroma Granule AQ Ink will give off each kind of fragrance desired out of the following list through capsules destruction by rubbing by hand, rather strong friction, etc.. The relevant capsules on the treated cloth are stable for long period of time unless destroyed and have rather high practical use towards washing under the general ordinary temperature.

This ink can be easily compounded into printing binder such as our Binder T-517S and applied for a normal printing procedure. Also, it can be applied by padding process.

2. Fragrance kinds :

Aroma Granule Ink is prepared in the following 19 kinds.

Regular Fragrance (Available in any quantity from stock)

1. Lavender
2. Lemon
3. Rose
4. Strawberry
5. Bouquet

By Order Fragrance

(Irregular fragrances, Minimum Qt/order = 50kgs/order

Delivery with full production batch quantity.)

6. Vanilla
7. Orange
8. Wild Flowers
9. Forest
10. Lime
11. Figi
12. Tropical Paradise
13. Grape
14. Pineapple
15. Cola
16. Peppermint
17. Ambrosia
18. Apple
19. Banana G-7249



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3. General Nature :

| | |
|------------------|---|
| Appearance | : Milky white paste |
| Composition | : Microencapsulated Perfume / water / thickener |
| Viscosity | : Approx. 2,000pcs (at 25°C) |
| Solid Content | : Approx. 50% |
| P H | : Approx. 6 - 7 |
| Specific Gravity | : Approx. 1.00 |
| Flammability | : Incombustible |

4. Usage : (Example : Printing)

| | | |
|----------------------|---------|---------------------------|
| Aroma Granule AQ Ink | 2 ~ 10 | |
| Binder T-517S | 98 ~ 90 | (Waterbased print binder) |
| Fixer F | 2 | (Cross Linking agent) |
| Total | 102 | |

Process : 70~100 Mesh Screen-Printing → Dry → Baking at 135°C for 3 minutes

(Example : Padding)

| | | |
|----------------------|--------|--------------|
| Aroma Granule AQ Ink | 2 ~ 5 | |
| Matsuminsol MR-50 | 5 ~ 10 | |
| Emacol R-600 | 1 ~ 2 | (Emulsifier) |
| Fixer F | 2 | |
| Water | Rest | |

5. N.B. : Because Aroma Granule Aqualite ink slightly contains "formaldehyde"; therefore, the suitability to the aimed product must be carefully pre-checked.

Shelf life : 6 months. However, this means that capsule component is likely to precipitate and coagulate, but the microcapsule itself doesn't change in quality within one year if stored properly in cool and dark place. However, it is possible that Aroma Granule AQ Ink which has elapsed over one year as well as the products processed with it will have slightly different fragrance from the original. Further, if separation or precipitation occurs in drum during storage, please stir gently.

Storage : Properly sealed after use & stored avoiding above 40°C & below 5°C.



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- Use** : When it is used, capsule component may slightly precipitate at the bottom of a supplying container, therefore please kindly stir lightly immediately before use and weigh accordingly.
- Washing** : No tonic substance is contained in the component of this ink, however, there may be a slight possibility that the sensitive skin can get a rash through direct contact with this, therefore please flush with water when contacted with skin directly.
- Process** : Since the environment is filled with odor through volatilization of perfume during processing, please arrange sufficient ventilation.