

MATERIAL SAFETY DATA SHEET

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PRODUCT: **Printing inks (Sheet-fed)**
Product Code: Pantone Orange 021

Date : 15/03/2007

1. CHEMICAL PRODUCT AND IDENTIFICATION

Name of product : PANTONE ORANGE 021
Company Name : A.S.INK & CHEMICAL CO., LTD.
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2. COMPOSITION

	CAS No	Weight (%)
Modified Phenol Resin	70955-45-2	45 - 50
Vegetable Oil	8001-26-1	15 - 20
Hydro Carbon Solvent	64742-55-8	10 - 15
Pigment yellow	6358-85-6	10 - 15

3. HAZARD IDENTIFICATION

Low hazard

Fire - Do not expose to fire directly **Inhalation** - NA

The product is a compound/mixture of raw materials, the raw materials themselves do not have hazardous properties.

4. FIRST AID PROCEDURES

Inhalation : NA
Skin contact : Wash with soap and water
Eye contact : Flush out with soap and water. Then seek medical attention.
Ingestion : The product does not induce vomiting, if vomiting occur spontaneously keep air fresh and seek medical attention
Others : None

5. FIRE FIGHTING PROCEDURES

Suitable extinguishing media : Foam, water spray, CO2, Dry Chemicals
Unsuitable extinguishing media : NA
Exposure hazard : Do not expose to fire directly
Special equipment : Do not use high pressure extinguishers or water jet.

6. ACCIDENTAL RELEASE PROCEDURES

Precautions with respect to individuals : Protective glasses, Protective gloves, Protective clothing
Precautions with respect to environment : Avoid discharge into the environment stop leaks as soon as possible.
Clean up spillage immediately

7. STORAGE AND HANDLING

Storage: Do not expose to fire directly

Handling : Use dry air to displace material removed from container
Avoid eye and skin contact
Local exhaust is recommended
Ventilation by local or general exhaust

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

Occupational : None
Individual protection – hands : Protective gloves
Individual protection – eyes : Protective glasses
Individual protection – skin : Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Paste
Odor : A little smell
Acidity(acid value mg KOH/g) : None
Viscosity : High Viscosity Paste
Boiling point/interval : 290 - 330 °C
Flash point : 145 °C
Self information : None
Explosive properties : No
Vapor pressure : None
Specific gravity : < 1
Solubility in water 20 °C : No
Volatile (at 25°C) : None

10. STABILITY AND REACTIVITY

Stability : Product is stable under normal conditions
Conditions to Avoid : Heat, spark, open flames and other sources of ignition
Other know hazard

11. TOXICOLOGICAL INFORMATION

The toxicological properties have not been fully determined
Can expected to be eye irritant.

12. ECOLOGICAL INFORMATION

As this product is a non active material, no evaporation or air pollution during under normal conditions.

13. DISPOSAL CONSIDERATIONS

The product may be disposed under controlled incineration and in agreement with local and national regulation.

14. TRANSPORT REGULATIONS

General information : This product is not considered hazardous for transportation.
Land transport : ADR/RID/GGVS/GGVE
Class : - Number : - UN-No. : -
Sea transport : IMDG/GGVSee
Class : - UN-No. : - Packing group : -

15. REGULATORY INFORMATION

Labeling according to the EEC Directive
According to the EEC Directive 88/379 labeling is not required.
R-phrases: S-phrases:
Special labeling of certain preparations:
National legislation/regulation:

16. OTHER INFORMATION

None

While the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which A.S. INK & CHEMICAL CO., LTD. assumes legal responsibility.

It does not imply that the information is complete or accurate in all cases and does not within the control of A.S. INK & CHEMICAL CO., LTD., it is user's obligation to determine the conditions of safe use of the product.