



## Meteors Chemicals Co. Ltd.

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# Safety Data Sheet

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## 1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product Name: **"Transparent paper board varnish"**

Synonyms: Polymers for inks, varnishes

1.2 Use of the substance/preparation: varnish for water based pigment ink for printing on corrugated board & paper sacks.

1.3 Company/ undertaking identification:

Meteors Chemicals Co Ltd.

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## 2. Hazards identification

Not classified as hazardous preparation under Directive 67/548/EEC and/or Directive 1999/45/EC.

## 3. Composition/information on ingredients

Poly 566

Cas No.	Components	%
7732-18-5	Water	50-60
	Modified Acrylic Polymers	10-30
	Defoamer- blend of foam-destroying polymers, emulsifiers and silicone	0.5-3

## 4. First-aid measures

4.1 After inhalation: Remove person to ventilated fresh air. With respiratory problems consult a doctor/medical service.

4.2 After skin contact: Rinse with water. Consult a physician if irritation occurs.

4.3 After eye contact: Immediately flush with room temperature, low pressure and clean water for at least 15 minutes. Seek medical attention if eye irritation occurs.

4.4 After ingestion: Rinse mouth with water. Never induce vomiting. Seek medical attention if you feel unwell.

## 5. Fire-fighting measures

Extinguishing media: Water spray, Polyvalent foam, BC powder or carbon dioxide.

Special protective equipment for fire fighters: Heat/fire exposure: self-contained breathing apparatus

## 6. Accidental release measures

Personal precautions: Remove the person of the leeward. Ventilate sufficiently during clean-up in case it happens inside a house. Wear protective clothing, gloves and safety goggles. Wash thoroughly with soap and water after clean-up.

## 7. Handling and storage

7.1 Handling: Use proper ventilation and avoid fire in work place. Put protection wear that has electrical conductivity in case of work. Keep out of reach of children. Do not drink ink. Do not dismantle cartridge. Make sure cartridge is dry before insertion into printer housing.

7.2 Storage: Keep cartridge closed Keep cartridge out of direct sunlight. Meet legal requirements; do not store cartridges with oxidizing agents or explosives.

Storage temperature: 10-45°C

Storage life: 730 days

## 8. Exposure controls/personal protection

No special measures required.

Respiratory protection: self-contained breathing apparatus or organic canister mask is recommended in air > exposure limit.

Hand protection: Not required under suitable use as setting the cartridge on the printer; however, wearing gloves are recommended when emptying the waste bottle.

Eye protection: Not required under suitable use as setting the cartridge on the printer; however, wearing safety goggles are recommended when emptying the waste bottle.

Skin protection: Not required under suitable use as setting the cartridge on the printer; however, wearing protective clothing is recommended.

8.2.2 Environmental exposure control: See 6.2 and 13

## 9. Physical and chemical properties

9.1 General Information:

Appearance (at 20°C): Liquid

Odor: sweetish

Color: white

9.2 Important health, safety and environmental information:

- pH value at 20°C: 1.5 – 2.5
- boiling point / range: no data available
- Flash point: Not detected until 95°C/203°F (closed cup, ASTM D3278)
- Explosive properties: no data available
- Oxidizing properties: no data available
- Vapor pressure (at 20°C): no data available
- Vapor pressure (at 50°C): no data available
- Relative density: About 1.03 at 20°C
- Water solubility: Complete
- Solubility in other: No data available
- Relative vapor density: No data available
- Viscosity: No data available
- Partition coefficient n-octane/water: No data available
- Evaporation rate ratio to butyl acetate: No data available
- ratio to ether: No data available
- 9.3 Other information: Melting point/range: no data available
- Auto-ignition point: no data available
- Saturation concentration: no data available
- Specific conductivity: no data available

## **10. Stability and reactivity**

10.1 Conditions to avoid: high and freezing temperature

10.2 Materials to avoid: oxidizes and explosives

10.3 Hazardous decomposition products: none

10.4 Stability: stable under normal temperature

10.5 Hazardous polymerization: no data available

## **11. Toxicological information**

11.1 Acute toxicity: LD50 rat (oral): 5,000 mg/kg

11.2 Chronic toxicity: no data available

Mutagenicity: Negative by Ames Test \*

Carcinogenicity: IARC, the International Agency for Research on Cancer, has found printing inks to be not classifiable as human carcinogens as group 3. This product contains no substances listed in IARC Monographs (1,2A and 2B)

Teratogenicity: no data available

11.3 Routes of exposure: Eye, skin, inhalation, and ingestion

11.4 Acute effects:

\* Overexposure of eye surface may be mildly irritating

\* Overexposure of skin may cause irritation and in some cases swelling and redness

\* Intentional inhalation overexposure to ink vapors may result in respiratory tract irritation and anesthesia

\* Intentional or accidental oral ingestion may cause an upset stomach

11.5 Chronic effects: None known.

## **12. Ecological information**

Exotoxicity: no data available

## **13. Disposal considerations**

Disposal should be in accordance with federal, state and local requirements. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

## **14. Transport information**

Not restricted for any mode of international transport

## **15. Regulatory information**

15.1 EU legislation: Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC.

## **16. Other information**

This "Material Safety Data Sheet" contains health, safety, and environmental information. It does not replace any precautionary language or use and disposal information which accompanies the product. The information contained herein is believed to be accurate at the time of preparation, but should only be used as a guide. It is subject to revision from time to time. Meteors Chemicals Co Ltd does not warrant the completeness or accuracy of the information contained herein.