



# Safety Data Sheet

## SECTION I-IDENTIFICATION OF PRODUCT

PRODUCT CODE IT9 003,4,5,6,7 &10

Thermochromic pigments

## SECTION II-CHEMICAL COMPOSITION/INFORMATION ON INGREDIENTS

TRADE NAME AND SYNONYMS

CHEMICAL NATURE

Thermochromic Slurry

Dye microencapsulated with polymer and dispersed in water.

## SECTION III-PHYSICAL AND CHEMICAL PROPERTIES

FORM

ODOUR

Emulsion

odorless

COLOUR,

pH

ORANGE, BLUE, BLACK, MAGENTA OR GREEN

5-6

BOILING POINT(DEGREES CELSIUS)

SPECIFIC GRAVITY(WATER=1) 1

100°C

VAPOR PRESSURE(mm. OF MERCURY)

PERCENT VOLATILITY(BY VOLUME) 52%

29.6mmHg, 25°C

VAPOR DENSITY(AIR=1)

EVAPORATION RATE(ETHYL ETHER=1) N/A

N/A

SOLUBILITY IN WATER

EVAPORATION RATE(BUTYL ACETATE=1) N/A

Soluble

## SECTION IV-HAZARDS IDENTIFICATION

### HAZARDOUS INGREDIENT

COMPONENT

%

N/A

## **SECTION V-FIRST AID MEASURES**

### **SKIN CONTACT**

No adversely harmful effects anticipated. Wash exposed areas with soap and water. See a physician.

### **EYE CONTACT**

Immediately flush eyes with water for 15 minutes. See a physician if the irritation persists.

### **INHALATION**

Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing).

### **INGESTION**

Induce vomiting immediately. See a physician.

## **SECTION VI-FIRE-FIGHTING MEASURES**

### **EXTINGUISHING MEDIA**

Dry chemical, dry foam, sand, CO2

### **SPECIAL FIRE-FIGHTING PROCEDURES**

Wear full protective clothing and self contained breathing apparatus.

## **SECTION VII-ACCIDENTAL RELEASE MEASURES**

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## **SECTION VIII-HANDLING AND STORAGE**

### **HANDLING**

Avoid spilling. Maintaining good housekeeping standards to avoid accumulation of dust.

### **STORAGE**

Store in a sealed container in a cool, dry place. Avoid dispersion of dust in to the air to reduce potential explosion hazard. Avoid contact with liquids. Eliminate ignition sources. Avoid static charge build-up.

## **SECTION IX-EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **TECHNICAL PROTECTIVE**

Practice good personal hygiene.

### **PERSONAL PROTECTIVE EQUIPMENT**

Safety glasses with side shields recommended for normal handling, dust proof goggles recommended for dust, environments. Use protective gloves. Eyewash facility.

### **INDUSTRIAL HYGIENE**

Wash clothes, hands, and other exposed areas, before eating, drinking, smoking, and when leaving work.

### **PROTECTION AGAINST FIRE AND EXPLOSION**

N/A

## **SECTION XI-TOXICOLOGY INFORMATION**

### **ACUTE ORAL TOXICITY**

N/A

### **SKIN IRRITATION**

Slight skin irritation. No data found on skin absorption.

### **EYE IRRITATION**

Slight eye irritation. Slight inhalation hazard particulates/dust.

## **SECTION XII-ECOLOGICAL INFORMATION**

### **ELIMINABILITY**

N/A

## **SECTION XIII-DISPOSAL CONSIDERATIONS**

### **DISPOSAL**

Land fills solids at permissible sites.

**IN CASE OF SPILL**

Potential dust explosion hazard. Sweep gentle to avoid dust with an ordinary broom. Clean exposed area with soap and water. Potential slip hazard.

**SECTION XIV-TRANSPORT INFORMATION**

No classification assigned by IATA.

**SECTION XV-REGULATORY INFORMATION**

TSCA inventory status    Y

TSCA 12(b) export notification    Not listed

**SECTION XVI-OTHER INFORMATION**

Recommended used and restrictions

None

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