



# SAVYA INTERNATIONAL

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## MATERIAL SAFETY DATA SHEET According to EC Directive 2001/58/EEC

MSDS No – SI / MSDS 014

Revision No. 01

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### 1. SUBSTANCE / PREPARATION AND COMPANY IDENTIFICATION

Product code : SICO10012  
Chemical Family : Disazo Yellow  
Product Color : Bright Yellow  
Colour Index Name : Pigment Yellow 12  
Colour Index Number : 21090

#### User Description

Synthetic Organic Pigments are found in most products that are coloured. , such as Printing Inks, Paints, Plastics, Textiles fibres, Synthetic & Natural Rubber Colouring and numerous other applications.

#### SUPPLIER

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#405, Super Plaza, Sandesh Press Road,  
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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Pigment Yellow 12**                      **C.A.S. # 6358-85-6**

This product is not considered to be a hazardous substance as define under OSHA's Hazard Communication Standard ( 29 CFR 1910. 1200)

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

When involved in a fire or exposed to high temperature for an extended period of time , organic pigments may smolder or burn evolving noxious fumes which can include oxide of nitrogen and carbon, or other toxic compound.



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## 4. FIRST AID MEASURES

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### **Eye Contact**

Flush eyes thoroughly with large amounts of water for at least fifteen minutes . Get medical attention.

### **Skin Contact**

Wash skin with soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention.

### **Inhalation**

Remove to fresh air. Get medical attention if breathing is difficult.

### **Ingestion**

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately.

## 5. FIRE FIGHTING MEASURES

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**Non-flammable organic pigments product.**

### **Extinguishing Media**

Carbon dioxide, dry chemical powder or foam recommended. Apply water to cool exposed closed containers.

### **Special Fire-Fighting Procedures**

Self contained breathing apparatus (SCBA) and full protective equipment recommended.

### **Unusual Fire-fighting Procedures**

Fire or excessive heat may produce hazardous decomposition products.

### **General Hazard**

Improper handling of any finely divided organic pigment powder may lead to dust cloud formation.

### **Flammability Data**

**Flash Point** : Non-flammable material

## 6. ACCIDENTAL RELEASE MEASURES

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### **Small Spill**

For dry powder spills, inert materials such as sand may be added to control dusting prior to cleanup. Industrial grade vacuum sweepers are also recommended. Place spilled material into appropriate waste containers for disposal.

### **Large Spill**

Contain spilled material immediately with an inert substance such as sand or earth. Use plastic or aluminium shovel to transfer diluted waste material into appropriate containers for disposal.

Airborne organic dust may be an explosion hazard. Secure possible sources of ignition and avoid dusting.

## 7. HANDLING AND STORAGE

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## Handling

Avoid exposure through the use of appropriate engineering controls and good industrial hygiene practices.

## Storage

Keep containers tightly closed in a dry, cool and well-ventilated place away from direct sources of heat.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Engineering Controls

The use of local exhaust ventilation is recommended.

### Personal Protection

NIOSH approved dust respirators are recommended when handling in areas of pigment dusting. Safety glasses are also recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills of large amounts.

### Exposure Limits

There are no ACGIH TLV's or OSHA PEL's established for this product.

The OSHA PEL for nuisance dust is 15 mg/m<sup>3</sup> (total dust) and 5 mg/m<sup>3</sup> (respirable dust) recommended. The recommended ACGIH TLV for nuisance dust is 10 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	: Yellow Powder
<b>Colour</b>	: Bright Yellow
<b>Melting Point</b>	: N.A.
<b>Specific Gravity (20<sup>o</sup>C)</b>	: 1.40
<b>Solubility</b>	: Max. 0.1 %
<b>% Volatiles</b>	: Max. 1.
<b>Boiling Point</b>	: N.A.
<b>Molecular Formula</b>	: C <sub>32</sub> H <sub>26</sub> CL <sub>2</sub> N <sub>6</sub> O <sub>4</sub>

## 10. STABILITY AND REACTIVITY

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### General

This product is stable compound and hazardous polymerisation will not occur.

### Incompatibility

Not incompatible.

### Hazardous Decomposition Products

When involved in a fire, burning organic pigments may evolve noxious gases which are toxic. These compounds may include oxides of carbon and nitrogen or hydrogen chloride depending on the pigment type.

## 11. TOXICOLOGICAL INFORMATION

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## **General**

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, organic pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that pigments are somewhat inert and insoluble substances. There are no established TLV's or PEL's for this product.

## **Acute (Short - Term) Toxicity**

This product has a reported acute oral LD 50 value of 5 gm/Kg or greater in rats

Skin and eye irritation studies have been reported to be negative.

An aquatic toxicity study on water fleas and bluegill fish indicated that Pigment Blue did not constitute a significant hazard in the aquatic environment.

## **Carcinogenicity:**

This product does not contain ingredients listed as carcinogens by National Toxicology Program (NTP), International Agency for Research on Cancer (IARC) or Occupational Safety and Health Act (OSHA).

## **12. ECOLOGICAL INFORMATION**

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This product has not been evaluated for its ecotoxicity. However the biodegradation of organic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest that they create any significant ecology problems when released into the environment. Since organic pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristic.

## **13. DISPOSAL CONSIDERATION**

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### **General**

Dispose (dump or incinerate) in accordance with applicable Federal State and local regulations.

### **Waste Management**

Contact the state or local environmental agency for specific rules. This product is not identified as a RCRA hazardous waste under 40 CFR 261 and is not regulated under CERCLA (Superfund)

## **14. TRANSPORT INFORMATION**

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### **Land transport ADR/RID (cross-border)**

ADR/RID class: Not Restricted

### **Maritime transport IMDG:**

IMDG class: Not Restricted

### **Air transport ICAO-TI and IATA-DGR:**

ICAO/IATA class: Not Restricted

The product does not constitute a hazardous substance in national/international road, rail, sea and Air transport.

## **15. REGULATORY INFORMATION**

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## **Classification, packaging and labeling:**

Not classified as dangerous for supply or conveyance under regulations - amended EEC directives

67/548, 77/728, 88/379 and 91/155. This product is in compliance with CONEG Model legislation

for packaging and packing ink components.

## **Heavy metal content:**

Organic pigments do not contain any lead, cadmium, chromium (VI), mercury compounds, etc in their formulations. However, each grade of pigment contains heavy metals in limits permissible in different countries. For details, please contact us and/or refer to our product Technical Data Sheet. Generally not hazardous for water. Assessment by list.

## **Primary Aromatics amines:**

Organic pigments do not contain carcinogenic amine compounds that can be released during metabolism.

## **16. OTHER INFORMATION**

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**For more information, please contact**

**Vishal Dave**

**Director - Quality Systems and Technical Services**

**Revision date – 25.08.2010**

**Revision Number - 01**

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**For, SAVYA INTERNATIONAL**

**Authorized Signatory**