



# SY CHEMICAL CO., LTD.

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## Material Safety Data Sheet

According to Directive 91/155/EEC

### PIGMENT YELLOW 12

(PY12)

#### 1. SUBSTANCE/PREPARATION AND COMPANY

##### Chemical characterization:

##### Company:

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#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

##### Chemical nature:

Chemical Formula:  $C_{32}H_{26}Cl_2N_6O_4$

C.I.No.: 21090

C.A.S.No.: 15541-56-7 / 6358-85-6

#### 3. HARZARD INENTIFICATION

Critical hazards to man and the environment: None

#### 4. FIRST-AID MEASURES

##### General advice:

Remove contaminated clothing.

##### If inhaled:

Keep patient calm, remove to fresh air and treat symptomatically

##### On skin contact:

Wash with soap and water, if symptoms occur, consult physician

##### On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist

##### On ingestion:

Rinse mouth and then drink plenty of water

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Water spray, dry extinguishing media, foam

##### Extinguishing media which must not be used for safety reasons

High volume water jet

##### Exposure hazards

Contaminated water and soil must be disposed of conform to local regulations. Sufficient measures must be taken to retain water used for extinguishing.



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#### Special protective equipment for firefighters

Wear full and thick protective clothing. Wear self-contained breathing apparatus.

#### Hazardous decomposition products

Oxides of carbon, Toxic gases/vapours

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Do not breathe dust

**Environmental precautions:** Do not let product enter drains. Avoid dust formation.

**Method for cleaning up:** Contain with dust binding material and dispose.

### 7. HANDLING AND STORAGE

**Handling:** Breathing must be protected when large quantities are decanted without local exhaust ventilation.

#### Protection against fire and explosion:

Take precautionary measures against static discharges.

#### Storage:

Keep tightly closed in a dry, cool and well ventilated place, direct sources of heat must be avoided and open containers must be allowed to stand over extended periods of time. Position containers so that any labeling information on the container is visible.

#### Caution:

Keep this product well sealed. Keep in cool, dry place. Close containers immediately after use.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information on the lay-out of technical plant(See 7)

#### Personal protective equipment

#### Technical measures/Precautions

No special precautions required

**Respiratory protection:** Do not breathe dust

**Eye protection:** Goggles

#### General safety and hygiene measures:

The usual precautions for the handling of chemicals must be observed

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** dry powder

**Colour:** YELLOW

**Odour:** Odourless

**Change in physical state:** N/A

**Melting point/melting range:** High melting point



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<b>Flash point:</b>	N/A, High melting material
<b>Explosion hazard:</b>	N/A
<b>Vapour pressure:</b>	N/A
<b>Density, 20°C:</b>	1.42(g/cm <sup>3</sup> )
<b>Approx.:</b>	N/A
<b>Bulk density:</b>	N/A
<b>Average Particle size:</b>	0.5 to 2.50 Micron Meters
<b>Solubility in water:</b>	Insoluble
<b>Solubility in other solvent:</b>	N/A
<b>PH Value:</b>	7

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#### 10. STABILITY AND REACTION

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Against moisture
<b>Incompatibility:</b>	Strong oxidizing agent

#### **Hazardous decomposition products:**

When involved in a fire, burning organic pigments may evolve noxious fumes which may include carbon monoxide, nitrous oxides, or other toxic compounds, depending on the pigment type

<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to avoid:</b>	None known

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#### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Acute oral LD50 value of 10000mg/kg or greater in rats
<b>Sensitizing:</b>	No data available

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#### 12. ECOLOGICAL INFORMATION

<b>Elimination information:</b>	The product is not very soluble in water and can thus be virtually removed from water mechanically in suitable effluent treatment plants.
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#### 13. DISPOSAL CONSIDERATION

<b>Product:</b>	Must be made in accordance with Federal State and local regulations.
<b>Contaminated packaging:</b>	Uncontaminated packs can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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#### **14. TRANSPORT INFORMATION**

Not classified as hazardous under transport regulations.

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#### **15. REGULATORY INFORMATION**

Labeling according to EEC directives

Not subject to labeling

National legislation/ regulations

Water hazard class: generally non water hazardous

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#### **16. OTHER INFORMATION**

N/A=not application

N.D.A.=no data available