

# Material Safety Data Sheet

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

### 1.1. Product identifier:

Product Name: TMC-013 Cyan Toner

Product Code: A4C

### 1.2. Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: Toner for electrophotographic apparatus

Descriptor: Industrial uses (SU3), Ink and toners (PC18)

### 1.3. Details of the supplier of the safety data sheet:

Supplier: IMEX EU TRADING S.R.L. (Unipersonal)

Address: C/ Diputación 279, 3º puertas 1 y 2, 08007 Barcelona, Spain

Telephone number: +34-93-530-5631 FAX number: +34-93-532-3329

E-mail address: info@imex-eu-trading.es

### 1.4. Emergency telephone number: +34 93-530-5631 (CET Mon-Thu 9:00~17:30, FRI 9:00~14:30)

## SECTION 2 Hazards identification

### 2.1 Classification of the Substance or mixture:

None, according to Directive 1999/45/EC

### 2.2 Label elements:

None, according to Directive 1999/45/EC

### 2.3 Other hazards:

Risk of dust-explosion if finely dispersed in air with an ignition source.

## SECTION 3 Composition/information on ingredients

### 3.2 Mixtures:

Ingredient Name	Weight %	CAS No.	REACH Registration	ACGIH TLV	EU Symbol/ R-Phrase
Saturated Polyester Resin	80-95	Confidential	Pre-Registered	Not established	None
Pigment	1-6	Confidential	Pre-Registered	Not established	None
Silica, treated	1-4	Confidential	Pre-Registered	10 mg/m <sup>3</sup> (TWA)*	None
Polypropylene Wax	1-4	Confidential	Pre-Registered	Not established	None
Metal-Complex Dye	<1**		Registered		

\*Total dust, 3mg/m<sup>3</sup> for respirable part

\*\*This substance is below listing concentration limit.

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## SECTION 4 First aid measures

### 4.1 Description of first aid measures:

Immediate medical procedures:

None

Inhalation:

Move to fresh air and gargle with water.

Skin contact:

Wash with soap and water.

Eye contact:

Do not rub. Flush with large amount of water until particles are removed.

Seek medical advice

Ingestion:

Rinse mouth, then drink several glasses of water to dilute stomach content.

Seek medical advice.

### 4.2 Most important symptoms, both acute and delayed:

Inhalation of excessive amounts of dust may cause physical irritation to respiratory system.

### 4.2 Indication of any immediate medical attention and special treatment needed:

None

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## SECTION 5 Firefighting measures

### 5.1 Extinguishing media:

Water, CO<sub>2</sub>, dry chemicals

### 5.2 Special hazards arising from substance or mixture:

Can form explosive dust-air mixture if finely dispersed in air.

### 5.3 Advice for firefighters:

Avoid inhalation of fume and smoke.

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## SECTION 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid breathing dust. Dust-proof masks should be worn when working.

### 6.2 Environmental precautions:

Do not flush into sewer or natural watercourse.

### 6.3 Methods and material for containment and cleaning up:

For containment:

Keep in air-tight container.

For cleaning up:

Sweep the spilled powder slowly.

Clean the remainder with wet cloth, wet paper, or vacuum cleaner.

Vacuum cleaner must be equipped with dust proof filter and must be explosion-proof.

For containment:

Keep in air-tight container.

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## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling:

Avoid breathing dust. Keep away from ignition sources.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry location away from direct sunlight.

### 7.3 Specific end use(s):

For use in electrophotographic apparatus such as laser-beam printers and copiers.

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## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters:

ACGIH(TWA).	10mg/m <sup>3</sup> (Total dust),	3mg/m <sup>3</sup> (Resipable fraction)
USA OSHA PEL(TWA)	15mg/m <sup>3</sup> (Inhalable fraction),	5mg/m <sup>3</sup> (Resipable fraction)
DFG(MAK):	4mg/m <sup>3</sup> (Inhalable fraction),	1.5mg/m <sup>3</sup> (Resipable fraction)

### 8.1 Exposure controls:

Appropriate engineering controls:

Use of local ventilation is recommended.

Individual protection measures:

Eye/face protection: Protective goggles should be used when handling bulk.

Skin Protection: Not required

Hand protection: Not required

Respiratory protection: Dust-proof mask should be used when handling bulk.

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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

Appearance:	Cyan powder
Odour:	Slight odour
pH:	Not applicable
Melting point:	>100°C
Boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Not flammable (according to Directive 92/69/EEC)
Explosive limits:	Not considered explosive
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	1.1-1.3
Solubility:	Insoluble to water, partially soluble to toluene and xylene.
Partition coefficient:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	>200°C
Viscosity:	Not applicable
Explosive properties:	Can form explosive dust-air mixtures when finely dispersed in air
Oxidizing properties:	Not applicable

### 9.2 Other information: None

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**SECTION 10 Stability and reactivity**

<b>10.1 Reactivity:</b>	None
<b>10.2 Chemical stability:</b>	Stable
<b>10.3 Possibility of hazardous reactions:</b>	None
<b>10.4 Conditions to avoid:</b>	None
<b>10.5 Incompatible materials:</b>	None
<b>10.6 Hazardous decomposition products:</b>	Decomposition will not occur under normal usage.

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**SECTION 11 Toxicological information****11.1 Information on toxicological effects:**

Acute toxicity:

Inhalation: LC50 ; inh-rat&gt;5.19mg/L/4 hours\*, not harmful.

Ingestion: Not Available

Irritation:

Eye: Not classified as irritant\* \*\*

Skin: Not classified as irritant\* \*\*

Corrosivity: Not available

Sensitisation: Not classified as a sensitizer\* \*\*

Repeated dose toxicity: Not available

Carcinogenicity: NTP/IARC/OSHA/TRGS 905 - Not applicable

Mutagenicity: Ames test Negative

Reproductive toxicity: Not available

Oral toxicity: LD50&gt;2500mg/kg body weight, not harmful\*

Aspiration hazards: Not available

*\*data from toner with similar composition.**\*\*according to Directive 67/548/EEC*

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**SECTION 12 Ecological information****12.1 Toxicity**

Algae/Pseudokirchneriella subcapitata: ErL50(0-72h) &gt; 100 mg/l (WAF)\*

**12.2 Persistence and degradability**

Not available

**12.3 Bioaccumulative potential**

Not available

**12.4 Mobility in soil**

Not available

**12.5 Results of PBT and vPvB assessment:**

This preparation does not contain any substance that are assessed to be PBT or vPvB.

**12.6 Other adverse effects:**

Not available

*\*data from toner with similar composition.*

## **SECTION 13 Disposal consideration**

### **13.1 Waste treatment methods**

Dispose according to local authority requirements.

DO NOT release to sewer or natural watercourse.

DO NOT put toner powder or container into fire.

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## **SECTION 14 Transport information**

### **14.1 UN number**

None

### **14.2 UN proper shipping name**

None

### **14.3 Transport hazard class(es)**

None

### **14.4 Packing group**

None

### **14.5 Environmental hazards:**

Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.

### **14.6 Special precautions for user:**

None

### **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

None

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## **SECTION 15 Regulatory information**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Information on the label (according to 1999/45/EC):

Not Required

### **15.1 Chemical safety assessment:**

No chemical safety assessment has been carried out for this preparation by the supplier.

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## **SECTION 16 Other information**

### **Indication of changes:**

July 20, 2012: All sections revised to be compliant with (EC)453/2010 Annex I version of REACH Annex II

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