

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 ³ (TWA)* | None |
| Polypropylene Wax | 1-4 | Confidential | Pre-Registered | Not established | None |
| Metal-Complex Dye | <1** | | Registered | | |

*Total dust, 3mg/m³ for respirable part

**This substance is below listing concentration limit.

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

SECTION 5 Firefighting measures

5.1 Extinguishing media:

Water, CO₂, 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.

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.

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.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters:

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

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

SECTION 10 Stability and reactivity

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

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

Acute toxicity:

Inhalation: LC50 ; inh-rat>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>2500mg/kg body weight, not harmful*

Aspiration hazards: Not available

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

SECTION 12 Ecological information**12.1 Toxicity**

Algae/Pseudokirchneriella subcapitata: ErL50(0-72h) > 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.

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

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.

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
