



# MATERIAL SAFETY DATA SHEET

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Issue: 1

Revised Date:

## Section I - Company / Product Identity

**Product Identification:** Color " C\_Cyan " - replacement cartridge for HP LaserJet 4730

**TG95P6501**

**Company :** Turbon International GmbH  
Ruhreich 10  
D-45525 Hattingen

**HMIS Hazard Rating:**  
0 = Minimal 3 = Serious  
1 = Slight 4 = Severe  
2 = Moderate

**NFPA Hazard Rating:**  
0 = Minimal 3 = Serious  
1 = Slight 4 = Extreme  
2 = Moderate

Germany  
**Telephone:** +49-(0)2324-504-471  
**Fax:** +49-(0)2324-504-133  
**Contact Person:** Mr. Rob Aukema

| HMIS Rating : |                |
|---------------|----------------|
| Health        | = 1            |
| Flammability  | = 1            |
| Reactivity    | = 0            |
| PPE           | = Section VIII |

| NFPA Rating : |        |
|---------------|--------|
| Health        | = 1    |
| Flammability  | = 1    |
| Instability   | = 0    |
| Special       | = None |

## Section II - Composition / Ingredients

This product consists of new and remanufactured parts that are originally manufactured by the OEM.

The cartridge consists of light sensitive drum, toner , a developer unit and several blades.

### Main components:

Plastics: PE, PP, PS, ABS, PU, Acetal, mixed with FR  
Metals: Iron, Sheet steel. Some components electrolyze nickel-plated.  
Non-metals: Aluminum  
Foam: Expanded polyuthane, polyester base  
Elastomer: Polyurethane

The toner used in this cartridge consists of the following components.

| <u>Description</u>         | <u>CAS number</u> | <u>Percent</u> | <u>R+S phrase</u> | <u>Symbol</u> |
|----------------------------|-------------------|----------------|-------------------|---------------|
| Blue Pigment               | Proprietary       | 1 - 20         | None assigned     | None assigned |
| Silica, amorphous          | Proprietary       | < 5            | None assigned     | None assigned |
| Styrene Acrylate Copolymer | Proprietary       | 70-95          | None assigned     | None assigned |

The drum used in this cartridge consists of the following components.

| <u>Description</u>              | <u>CAS number</u> | <u>Percent</u> | <u>R+S phrase</u> | <u>Symbol</u> |
|---------------------------------|-------------------|----------------|-------------------|---------------|
| Substrate: Al-cylinder          | None assigned     | > 99%          | None assigned     | None assigned |
| Coating: Organic photoconductor | None assigned     | < 1%           | None assigned     | None assigned |

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### Section III - Hazards Identification

#### Primary entry routes:

|                  |  |
|------------------|--|
| Inhalation :     | Slight irritation of respiratory tract   |
| Ingestion:       | NA   |
| Skin contact:    | Repeated contact may cause irritation or an allergic skin reaction.                              |
| Eyes effects:    | Dust may cause irritation by mechanical abrasion   |
| Chronic effects: | If use generates airborne particles, treat as a Nuisance Particulate (ACGIH TLV = 10mg/cu meter) |

#### Potential environmental hazard:

No particular hazards known. The cartridge is made in accordance with all known legal requirements.

### Section IV - First Aid Measures

|               |  |
|---------------|--|
| Inhalation:   | Remove person to fresh air. If symptom's persists consult a physician.   |
| Ingestion:    | Rinse mouth with water and drink one or two glasses of water. If symptoms occur, call a physician. If symptom's persists, consult a physician.   |
| Skin contact: | Wash well with soap and running water. If symptoms occur, call a physician.  |
| Eyes contact: | Immediately flush with large amounts of clean lukewarm, low pressure water for at least 30 minutes. If irritation persists, consult a physician. Remove any contact lenses to facilitate flushing. |

### Section V - Fire and Explosion Measures

|                                    |  |
|------------------------------------|--|
| Flash point:                       | No data available.   |
| Ignition temperature:              | No data available.   |
| Flammability                       | Slight (HMIS, NFPA)  |
| Flammability limits                | No data available.   |
| Extinguishing media:               | Water Fog, foam, CO <sup>2</sup> , dry chemicals, or halon-type extinguishers.   |
| Special fire fighting procedures:  | To avoid inhalation of toxic fumes, wear MHSA/NIOSH approved self-contained breathing apparatus. Do not release runoff from fire control methods to sewers or waterways. |
| Un-usual fire / explosion hazards: | Toner may cause a dust explosion. Explosive limits of toner particles suspended in air are equal to coal dust.   |

### Section VI - Accidental Release Measures

|                               |   |
|-------------------------------|---|
| Spill and leakage procedures: | Wear personal protective equipment. Avoid breathing dust. Minimize the release of particles. Vacuum or sweep the material into a bag or other sealed container. If a vacuum cleaner is used, the motor must be rated as dust tight. Dispose of waste toner in accordance with local requirements. |
| Environmental precautions:    | Do not discharge into drains.   |

### Section VII - Handling and Storage

#### Advise on safe handling and protection against fire:

Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Keep away from excessive heat, sparks and open flames.

#### Requirements for storage rooms and advise on storage compatibility:

Keep out of reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers.

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### Section VIII - Exposure Limits / Personal Protection

|                             |  |
|-----------------------------|--|
| USA OSHA (TWA) / PEL:       | 15 mg/m <sup>3</sup> (Total Dust)<br>5 mg/m <sup>3</sup> (Respirable Fraction)               |
| ACGIH (TWA / TLV)           | 10 mg/m <sup>3</sup> (Inhalable Particulate)<br>3 mg/m <sup>3</sup> (Respirable Particulate) |
| DFG (MAK)                   | 6 mg/m <sup>3</sup> (Dust Concentration)   |
|                             | In Canada, consult local authorities for acceptable provincial values.                       |
| Respiratory protection:     | Not required under intended use.   |
| Ventilation:                | General ventilation should be sufficient under intended use.                                 |
| Protective gloves:          | Not required under intended use.   |
| Eye protection:             | Not required under intended use.   |
| Other protective equipment: | Not required under intended use.   |

### Section IX - Physical and Chemical Properties

|                          |                                     |
|--------------------------|-------------------------------------|
| Boiling point:           | Not applicable                      |
| Melting point:           | 100° -150° Celsius                  |
| Particle size:           | Fine                                |
| Vapor pressure:          | NA                                  |
| Solubility in water:     | Negligible                          |
| Other Solubility's:      | Partial soluble in Toluene & Xylene |
| Vapor density ( air =1 ) | Heavier than air                    |
| Evaporation rate:        | Not applicable                      |
| Color:                   | Cyan                                |
| Appearance:              | Fine powder                         |
| Odor:                    | Faint                               |

### Section X - Stability and Reactivity

|                                   |  |
|-----------------------------------|--|
| Stability:                        | Stable under conditions of normal use  |
| Incompatibility:                  | NA   |
| Hazardous decomposition products: | Combustion will produce carbon dioxide and possibly toxic chemicals such as carbon monoxide. |
| Hazardous polymerization:         | Will not occur.  |

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### Section XI - Toxicological Information

Toxicological info according to OSHA Hazard communication standard and commission directive 67/548/EEG.

|               |                                |  |
|---------------|--------------------------------|--|
| <b>Toner:</b> | Ames test:                     | Negative. LD50 > 5000 mg/kg  |
|               | Ingestion:                     | Not toxic.   |
|               | Eye contact:                   | Not toxic.   |
|               | Skin contact:                  | Not toxic.   |
|               | Chronic toxicity:              | No data available.   |
|               | Carcinogenicity:               | Not expected to be carcinogenic  |
|               | Chronic health hazard comments | No known health hazard when used as intended in printer                            |
|               | Exposure limit:                | Not known.   |
|               | Inhalation:                    | Not toxic.   |
| <br>          |                                |  |
| <b>Drum:</b>  | Ames test:                     | Negative. (mutagenicity test from Prof. Ames, Berkeley University California, USA) |
|               | Ingestion:                     | Not toxic.   |
|               | Eye contact:                   | Not toxic.   |
|               | Skin contact:                  | Not toxic.   |
|               | Chronic toxicity:              | Not toxic.   |
|               | Carcinogenicity:               | Not known.   |
|               | Chronic health hazard comments | None.  |
|               | Exposure limit:                | Not known.   |
|               | Inhalation:                    | Not toxic.   |

### Section XII - Ecological Information

Avoid spills and dispose of in accordance with applicable laws and regulations.

### Section XIII - Disposal Considerations

Observe all federal, regional, and local regulations when disposing of the product.

Contact your local Turbon dealer for returning your used and empty cartridges.

Tel: 800 -282-6650

Fax: 800 -257-1619

### Section XIV - Transport Information

#### International transport information:

|                      |      |
|----------------------|------|
| UN no.:              | None |
| UN shipping name:    | None |
| Hazards class:       | None |
| Packing group:       | None |
| Special precautions: | None |

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### Section XV - Other Information

New components are purchased from international reputable producers. The information in this MSDS is based on our present state of knowledge.

In normal use there are no exceptional health, safety or fire hazards associated with this range of products. Please obey the usage and storage instructions.

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