

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer **Dell Computer Corporation** One Dell Way Round Rock, TX 78682 Information 1-800-W W W-DELL Emergency 1-800-551-8553

Product Name:

Dell 7130cdn Professional Color Printer Standard Capacity Cyan Toner Cartridge 05C8C

2. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Nature:

Chemical Name	Ingredients (% by wt.)	CAS Registry Number
Polymer resin	60-70	Proprietary
Ferrite	15-20	66402-68-4
Wax	1–5	8002-74-2
Cyan pigment	1-5	Proprietary

UN Hazard Class : None

UN Number : None

3. HAZARDOUS IDENTIFICATION

Environmental Effects:

Physical and Chemical Hazard: There are no significant hazards associated with this product. Adverse Human Health Effects: There are no significant hazards associated with this product. There are no significant hazards associated with this product.

4.FIRST-AID MEASURES

Eye contact	: Flush with a large amount of water for at least 15 minutes. Seek medical advice.
Skin contact	: Wash with soap and water.
Inhalation	: Remove from exposure and provide fresh air. Rinse mouth with water.
Ingestion	: Rinse mouth with water. Give several glasses of water to drink and seek medical advice.

5. FIRE-FIGHTING MEASURES

Specifid method	:	In case of fire use extinguishing media. When in a machine, treat as an electrical fire.
Extingishing media	:	Water spray, Foam, Dry chemicals, CO ₂

6.ACCIDENTAL RELEASE MEASURES

Shut off ignition sources. For small spills, sweep up or soak up with damp cloth. For large spills, wear proper protective equipment and place waste material in closed container. Dispose of in accordance with federal, state and local regulations.

7.HANDLING AND STRAGE

Handling : Do not incinerate toner or a toner cartridge. Do not dissemble a cartridge.

Storage : Keep in

Keep in cool, dry and well-ventilated area. Keep out of reach of children.

8. EXPOSURE CONTROL /PERSONAL PROTECTION

Control Parameter ACGIH TLV :	10 mg/m ³ (inhalable particles) 3 mg/m ³ (respirable particles)
Precautionary Measured :	None required when used as intended in Dell equipment. For use other than normal customer operating procedures(such as in bulk toner processing facilities), local exhaust ventilation may be required.
Personal Protective Equipment:	None required when used as intended in Dell equipment. For use other than normal customer operating procedures(such as in bulk toner processing facilities), protective glove, goggles and respirators may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point(OC):Not applicableVaper Pressure:Not applicableVolatile (%):Not applicableSoftening Point:Not applicableSpecific Gravity(H2O=1):Not applicableInitial Boiling Point:Not applicable	Appearance/Odor:	Black, magenta, cyan, yellow powder / Faint Odor		
	Boiling Point(OC):	Not applicable	Vaper Pressure:	Not applicable
Specific Gravity(H ₂ O=1): Not applicable Initial Boiling Point: Not applicable	Volatile (%):	Not applicable	Softening Point:	Not applicable
	Specific Gravity(H ₂ O=1):	Not applicable	Initial Boiling Point:	Not applicable
Solubility in water: Negligible Other Data: None	Solubility in water:	Negligible	Other Data:	None

10.STABILITY AND REACTIVITY

Flash Point(OC) Explosion Limit	:Not applicable :Not applicable	Auto-Ignition Temperature:Not applicable
Flammability	:Not flammable under condition	ons of use
Spontaneous Combust	ibility / Reactivity with water	:None
Self-reactivity / Explos	sive	:None
Dust Explosive	: Like most organic materials air.	in powder form, it can form explosive mixtures when dispersed in
Stability and Reactivity	y :Stable	
Other Data	:None	

11. TOXICOLOGICAL INFORMATION

Skin Corrosive	: None		
Skin Irritant (rabbit)	: Not an irritant ¹⁾	Eye Irritant (rabbit): Not an irritan	t ¹⁾
Human Patch	: Not available ¹⁾	-	
Sensitization	: Skin (guinea-pig)	: Not a sensitizer ¹⁾	
Acute Toxicity	Swallowed→LD50 (rat)	: $> 5000 \text{ mg/kg}^{1)}$	(practically non-toxic)
-	Skin→LD50 (rabbit)	$: > 5000 \text{mg/ kg}^{(1)}$	(practically non-toxic)
	Inhaled→LC50 (rat)	$: > 4.1 \text{ mg/L/4hr}^{1}$	(practically non-toxic)

Chronic Toxicity : The results obtained from a supplyer sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1mg/m^3) exposure level (i.e. the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of the animals at the middle (4mg/m^3) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m^3) exposure level. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a special test toner to comply with EPA testing protocol. The test toner was ten times more respirable than commercially available supplyer toner, and would not be functionally suitable for Dell equipment.¹⁾

Carcinogenicity : Carbon Black is classified as "Group 2B(possibly carcinogenic to humans)" by IARC. But we obtained the results from a Chronic Toner Inhalation Study, that commercially available supplyer toner has no evidence of human carcinogens. All other ingredients are **not** classified as "Carcinogens".

Mutagenicity: Ames Assay: Negative

Reproduction and Development: Not classified as toxic to reproductive system^{ref.2}".

1)This information is based on toxicity data for similar materials and ingredients.

12. ECOLOGICAL INFORMATION

Biodegradability Bioaccumulation Acute Toxicity	 Not available. Not available. 96hours LC 50 48hourd EC50(daphnia magna) 	$:> 500 \text{mg/L}^{1}$	(practically non-toxic) (practically non-toxic)
Other Information): > 100mg/L	(practically non toxic)

1) This information is based on toxicity data for similar materials and ingredients.

13.DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local regulations.

14.TRANSPORT INFORMATION

Transport in accordance with federal, state, and local regulations.

15.REGULATORY INFORMATION

Ensure this product in compliance with federal requirements and ensure conformity to local regulations.

16.OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience, but no warranty is made. Users should consider these data only as a supplement to other information and must make independent determination of the suitability and completeness of information from all sources to ensure proper use and disposal of the materials and safety and health of employees and customers.

References

- 1: IARC Monographs on the Evaluation Carcinogenic Risks to Humans (WHO.International Agency for Rsearch on Cancer)
 - National Toxicology Program(NTP) Report on Carcinogens (NTP)
 - TLVs and BEIs (American Conference of Governmental Industrial Hygienists)
 - Council Directive 67/548/EEC on the approximation of the laws, regulations, and administratives provision s relating to the classification, packing and labelling of dangerous substaces; Annex 1 (EU)
 - Journal of Occupational Health(Japan Society for Occupational Heatth)
- 2: Council Directive 67/548/EEC on the approximation of the laws, regulations, and administratives provision s relating to the classification, packing and labelling of dangerous substaces; Annex 1 (EU)