

SECTION 1 – Product and Company Identification

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Product Names: Katun Toner Cartridge for use in: HP LJ 5000/DN/GN/LE/N, 5100/DTN/TN/LE
 Katun PN: IVR-83029

SECTION 2 – Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>	<u>Exposure Limits</u>
Resin	60163-90-8	40-65%	ACGIH TLV 5.0mg/cu.m.
Charge Agent	1309-37-1	30-50%	ACGIH TLV 5mg/cu.m. OSHA PEL 5mg.cu.m.
Wax	9003-07-1	<5%	ACGIH TLV 10mg/cu.m. OSHA PEL 15mg.cu.m.
Dye	31714-53-3	<5%	Not established
Surface Additive	7631-86-9	<1%	ACGIH TLV 20mppcf. OSHA PEL 10mg.cu.m.

SECTION 3 – Emergency and First Aid

Eyes: Flush with water
Skin: Wash with soap and water.
Inhalation: Remove from exposure.
Ingestion: Dilute stomach contents with several glasses of water

Section 4 – Toxicology and Health Information

Miscellaneous Toxicological Information: In a Xerox sponsored chronic inhalation study in rats using a special toner, there were no lung changes at all in the lowest exposure level (mg/cubic meter). This is the most relevant level to human exposures. A very slight degree of fibrosis was noted in 25% of the animals at the mid exposure level (4 mg/cubic meter). While a slight degree of fibrosis was observed at the highest exposure level (16 mg/cubic meter) in all animals. These findings are attributed to "Lung Overloading". (A generic response to excessive amounts of any dust retained in the lungs for a prolonged interval). The special test toner was ten times more respirable than commercially available toners to comply with EPA testing protocol and would not function in a copier or printer.

Mutagenicity: No mutagenicity detected by Ames test.

Carcinogens: None present.

Medical Conditions Aggravated by

Exposure: None when used as described by product literature. This material when used as intended does not represent a health or safety issue.

SECTION 5 – Ecological Information

No data given.

SECTION 6 – Hazards Identification

Eye: Possible irritant.
Skin: Slight irritant.
Ingestion: Practically non-toxic.
Inhalation: Minimal respiratory tract irritation may occur as with exposure to large amounts of non-toxic dust. TLV: 10mg/cubicmeter (Total Dust) 5mg/cubicmeter (Respirable Dust)

SECTION 7 – Physical Data and Chemical Properties

Appearance: Plastic cartridge containing finely divided black powder.
Odor: Faint.
Basic Physical Properties: Melting point: 212-284 degrees Fahrenheit. Specific Gravity: 1.0
 Solubility in water: Negligible.

SECTION 8 – Fire Fighting Measures

Extinguishing Media: Water, foam, dry chemical.
Fire and Explosion Hazards: Toner is combustible powder. When dispersed in air it forms explosive mixtures.
Fire Fighting Instruction: Avoid inhalation of smoke.

SECTION 9 – Stability and Reactivity

Stability: Stable
Conditions to Avoid: None
Hazardous Decomposition Products: Products of combustion are toxic. Avoid breathing smoke.
Hazardous Polymerization: Will not occur

SECTION 10 – Exposure Controls / Personal Protection

Respiratory Protection: None needed when used as intended in copier or printer equipment.
Eye / Face Protection: None required when used as intended in copier or printer equipment.
Skin Protection: None required when used as intended in copier or printer equipment.

SECTION 11 – Handling and Storage

Handling and Storage

Precautions: Avoid prolonged inhalation of excessive dust. Avoid storage temperatures in excess of 90 degrees Fahrenheit.

Work / Hygienic

Practices: None required when cartridge is used in designated printer. In case of accidental release of toner, goggles and respirator may be required.

SECTION 12 – Accidental Release Measures

Loose toner can be removed using a vacuum cleaner. Residue can be removed with soap and water. After removal of loose toner, garments may be washed or dry-cleaned.

SECTION 13 – Disposal Considerations

Do not incinerate. Conform to state, federal and local regulations.

SECTION 14 – Transport Information

No Data Given.

SECTION 15 – Regulatory Information

No Data Given.

SECTION 16 – Other Information

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