MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the preparation HP LaserJet 92295A Print Cartridge

Use of the preparation This product is a toner preparation that is used in HP LaserJet II/IID/III/IIID series printers.

Manufacturer information
Hewlett-Packard Company
11311 Chinden Boulevard
Boise, ID 83714 USA

Hewlett-Packard health effects line

(Toll-free within the US) 1-800-457-4209
(Direct) 1-503-494-7199

General information telephone number

HP Customer Care Line 1-800-474-6836
(Toll-free) 1-800-474-6836
(Direct) 1-208-323-2551

Date prepared Feb 26, 2007

MSDS number 205090

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight
Styrene acrylate copolymer	Trade Secret	60 - 70
Iron oxide	1317-61-9	30 - 40
Chromate	72869-85-3	0.1 - 0.2

Composition comments This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

3. HAZARDS IDENTIFICATION

Acute health effects Any potential hazards are presumed to be due to exposure to the components.

Skin contact Unlikely to cause skin irritation.

Eye contact May cause transient slight irritation

Inhalation Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.

Ingestion Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.

Chromate
Harmful if swallowed.

Potential health effects

Routes of exposure Inhalation, Ingestion, Skin contact, Eye contact

Complete toxicity data are not available for this specific formulation

Chronic health effects Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.

Carcinogenicity None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

4. FIRST AID MEASURES

First aid procedures

Skin	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, consult a physician.
Inhalation	Move person to fresh air immediately. If symptoms persist, get medical attention.
Ingestion	Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

5. FIRE FIGHTING MEASURES

Flash point and method	Not applicable
Auto ignition temperature	Not applicable
Hazardous combustion products	Carbon monoxide and carbon dioxide.
Extinguishing media	CO2, water, or dry chemical
Unsuitable extinguishing media	None known.
Unusual fire and explosion hazard	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Special firefighting procedures	None established.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Minimize dust generation and accumulation. Avoid breathing dust.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Procedures if material is released or spilled	Slowly vacuum or sweep the material into a bag or other sealed container. If a vacuum is used, the motor must be rated as dust explosion-proof. Clean remainder with a damp cloth or vacuum cleaner. Fine powder can form explosive dust-air mixtures. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

7. HANDLING AND STORAGE

Handling	Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.
Storage	Keep out of the reach of children. Store at room temperature in the original container. Keep the container tightly closed and dry. Store away from strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)

ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)

OSHA - Final PELs - Time Weighted Averages (TWAs)

Chromate	72869-85-3	1 mg/m3 TWA

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Chromate	72869-85-3	0.5 mg/m3 TWA

Personal protective equipment

General	No personal respiratory protective equipment required under normal conditions of use.

Exposure guidelines	Use in a well ventilated area.

9. PHYSICAL & CHEMICAL PROPERTIES

pH	Not applicable
Vapor pressure	Not applicable
Boiling point	Not applicable
Softening point	100 - 150 °C (212.0 - 302.0 °F)
Solubility	Negligible in water. Partially soluble in toluene and xylene.
Specific gravity	1.5 - 1.8 (H2O = 1)
Flash point	Not applicable
Viscosity	Not applicable
Vapor density	Not applicable
Flammability	Not flammable
Appearance	Fine powder
Form	solid
Odor	Slight plastic odor
Oxidizing properties	No information available.
Other information	Decomposition temperature: > 200 ° C
Color	Black

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability	Stable under normal storage conditions.
Conditions to avoid	Imaging Drum: Exposure to light
Hazardous polymerization	Will not occur.
Hazardous decomposition products	Carbon monoxide and carbon dioxide.
Incompatibility	Strong oxidizers

11. TOXICOLOGICAL INFORMATION

Complete toxicity data are not available for this specific formulation
Refer to Section 3 for potential health effects and Section 4 for first aid measures.

Dermal irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Sensitization	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
Chronic toxicity	No information available.
Oral toxicity	LD50/oral/rat >5000 mg/kg , (OECD 401), Not harmful.
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

OSHA - Hazard Communication Carcinogens		
Chromate	72869-85-3	Present
IARC - Group 1 (Carcinogenic to Humans)		
Chromate	72869-85-3	Monograph 49, 1990; (Evaluated as a group)

Mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)

Reproductive toxicity Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).

Symptoms and target organs

NIOSH - Pocket Guide - Target Organs

Chromate	72869-85-3	respiratory system, skin, eyes

12. ECOLOGICAL INFORMATION

Other information This product has not been tested for ecological effects.

13. DISPOSAL CONSIDERATIONS

Disposal instructions Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. TRANSPORTATION INFORMATION

General Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

15. REGULATORY INFORMATION

International regulations All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

US federal regulations US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

US TSCA 12(b): Contains p-Xylene (CAS No. 106-42-3), subject to export notification requirements.

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Chromate	72869-85-3	CERCLA statutory RQ is 1 pound (0.454 kg); no RQ is being assigned to the generic or broad class

State regulations

California - Proposition 65 - No Significant Risk Levels (NSRL)

Chromate	72869-85-3	no significant risk level = 0.001 ug/day (inhalation)

HMIS ratings

Health:	1
Flammability:	1
Physical hazard:	0

NFPA ratings

Health:	1
Flammability:	1
Instability:	0

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

16. OTHER INFORMATION

Other information	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).
Issue date	Feb 26 2007 1:42PM
Revision	5
Replaces sheet dated	Nov 16 2006 1:01PM
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
MSDS sections updated	1. Chemical Product and Company Identification: Use of the preparation 3. Hazards Identification: Routes of exposure 3. Hazards Identification: Carcinogenicity 8. Exposure Controls/Personal Protection: Exposure limit values 9. Physical & Chemical Properties: Other information 13. Disposal Considerations: Disposal instructions 15. Regulatory Information: State regulations

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds