HEWLETT-PACKARD -- HP 51649A PRINT CARTRIDGE -- CARTRIDGE, TONER

MATERIAL SAFETY DATA SHEET

Name: CARTRIDGE, TONER

Company's Name: HEWLETT-PACKARD CO
Company's Street: 1000 NE CIRCLE BLVD
Company's City: CORVALLIS
Company's State: OR
Company's Country: US
Company's Zip Code: 97330-4200
Company's Emerg Ph #: 800-457-4209
Company's Info Ph #: 208-323-2551
Record No. For Safety Entry: 001
Total Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 15SEP95
Safety Data Review Date: 19AUG96
MSDS Serial Number: CC6JW

Ingredients/Identity Information

Proprietary: NO
Ingredient: DIETHYLENE GLYCOL
Ingredient Sequence Number: 01
Percent: <5
NIOSH (RTECS) Number: ID5950000
CAS Number: 111-46-6
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: NITRATES; (NITRATE EQUIVALENTS)
Ingredient Sequence Number: 02
Percent: <4
NIOSH (RTECS) Number: 1000174NI
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Physical/Chemical Characteristics

Appearance And Odor: COLORED INK.
Boiling Point: N/A
Melting Point: N/A
Vapor Pressure (MM Hg/70 F): AS WATER
Vapor Density (Air=1): AS WATER
Specific Gravity: 1.06-1.07
Solubility In Water: COMPLETELY MSICIBLE
pH: 6-9

Fire and Explosion Hazard Data

Flash Point: >141F, >61C
Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM.
Special Fire Fighting Proc: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE
EQUIPMENT (FP N).
Unusual Fire And Expl Hazards: NO SPECIAL HAZARDS KNOWN.

Reactivity Data
Stability: YES
Cond To Avoid (Stability): THIS IS A STABLE PRODUCT STORED UNDER NORMAL CONDITIONS.
Materials To Avoid: STRONG OXIDIZERS.
Hazardous Decomp Products: CARBON MONOXIDE, CARBON DIOXIDE.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50/LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE: SKIN CONTACT: INK MAY CAUSE SLIGHT SKIN IRRITATION CHARACTERIZED BY REDNESS AND SWELLING AFTER PROLONGED CONTACT. INDICATIONS MAY BE MASKED BY COLOR OF INK. INGESTION: ACCIDENTAL INGESTION OF NITRATES MAY RESULT IN RESPIRATORY DEPRESSION. PRIMARY INDICATORS OF PROLONGED OVEREXPOSURE INCLUDE (EFTS OF OVEREXP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: HLTH HAZ: SHORTNESS OF BREATH, HEADACHES, DIZZINESS AND CYANOSIS (BLUISH SKIN AND LIPS). EYE: INK MAY BE MILDLY IRRITATING. INHALATION: PROLONGED INTENTIONAL INHALATION MAY RESULT IN PRIMARY IRRITATION TO THE RESPIRATORY TRACT.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Steps If Mat Released/Spill: NO SPECIAL PROCEDURES ARE INDICATED. USE ABSORBENT TOWEL TO WIPE UP INK. RINSE AREA WITH DAMP CLOTH TO REMOVE REMAINING TRACES OF INK.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS.
Precautions-Handling/Storing: STORE AT ROOM TEMPERATURE. SHELF LIFE: 2 YEARS. KEEP CONTAINER CLOSED AND STORED AT ROOM TEMPERATURE.
Other Precautions: KEEP OUT OF REACH OF CHILDREN.

Control Measures

Respiratory Protection: NO SPECIAL REQUIREMENTS ARE NEEDED. USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).
Ventilation: NONE SPECIFIED BY MANUFACTURER.
Protective Gloves: IMPERVIOUS GLOVES (FP N).
Eye Protection: ANSI APPRVD CHEM WORKERS GOOGLES (FP N).
Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER (FP N).
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Suppl. Safety & Health Data: FIRST AID PROC: INDICATES ADMIN. OF 1 TO 2 MG/KG OF 1% METHYLENE BLUE SLOWLY BY IV IF PATIENT IS CYANOTIC & SYMPTOMATIC OR METHEMOGLOBIN LEVEL IS GREATER THAN 30% IN AN ASYMPTOMATIC PATIENT. ADDN Doses MAY BE REQD.) INHAL: REMOVE TO FRESH AIR.

Transportation Data

Disposal Data
Label Data

Label Required: YES
Technical Review Date: 19AUG96
Label Date: 16AUG96
Label Status: G
Common Name: HP 51649A PRINT CARTRIDGE
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Moderate: X
Reactivity Hazard-None: X
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: HEWLETT-PACKARD CO
Label Street: 1000 NE CIRCLE BLVD
Label City: CORVALLIS
Label State: OR
Label Zip Code: 97330-4200
Label Country: US
Label Emergency Number: 900-457-4209