



SAFETY DATA SHEET

1. Identification

Product identifier B3F58Series
Other means of identification Not available.
Synonym(s) HP 2580 Black Solvent Ink
Recommended use Inkjet printing
Recommended restrictions None known.
Issue date 04-Jun-2014
Company identification Hewlett-Packard Company
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2. Hazard(s) identification

Physical hazards Flammable liquids Category 2
Health hazards Not classified.
OSHA hazard(s) Not classified.

Label elements



Signal word Danger
Hazard statement Highly flammable liquid and vapor. Harmful to aquatic life with long lasting effects.
Precautionary statement

Prevention
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P273 - Avoid release to the environment.

Response
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use Dry chemical, CO2 or sand to extinguish.

Storage Not available.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Not classified.

Environmental hazards Hazardous to the aquatic environment, long-term hazard Category 3

3. Composition/information on ingredients

Mixtures

| Hazardous components | CAS number | % |
|---|-------------------|----------|
| Chemical name ethanol | 64-17-5 | <80 |
| Solvent* | Proprietary* | <10 |
| Acetone | 67-64-1 | <7.5 |
| Black colorant* | Proprietary* | <7.5 |
| Amines, C12-18-alkyl, bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3Hpyrazol-3-onato(2-)]cobaltate | 85203-44-7 | <1 |
| Sodium bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate | 71839-88-8 | <1 |

4. First-aid measures

| | |
|---|---|
| Inhalation | Move person to fresh air immediately. If symptoms persist, get immediate medical attention. |
| Skin contact | In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention, if needed. |
| Eye contact | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately. |
| Ingestion | Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately. |
| Most important symptoms/effects, acute and delayed | Not available. |

5. Fire-fighting measures

| | |
|--|---|
| Flash point | 41.00 °F (5.00 °C) Closed Cup Method 1020A |
| Suitable extinguishing media | Suitable extinguishing media: sand, carbon dioxide (CO2), and dry chemical. |
| Unsuitable extinguishing media | Not available. |
| Specific hazards arising from the chemical | Not applicable. |
| Special protective equipment and precautions for firefighters | Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways. |
| Fire-fighting equipment/instructions | Move containers from fire area if you can do it without risk. |

6. Accidental release measures

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures | Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition. Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter. |
| Methods and materials for containment and cleaning up | Not available. |
| Environmental precautions | Do not flush into surface water or sanitary sewer system. |

7. Handling and storage

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment. |
| Conditions for safe storage, including any incompatibilities | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. |

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value |
|---------------------------|------|------------------------|
| Acetone (CAS 67-64-1) | PEL | 2400 mg/m3 1000 ppm |
| ethanol (CAS 64-17-5) | PEL | 1900 mg/m3 1000 ppm |
| Solvent (CAS Proprietary) | PEL | 200 mg/m3 50 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|---------------------------|------|----------|
| Acetone (CAS 67-64-1) | STEL | 750 ppm |
| | TWA | 500 ppm |
| ethanol (CAS 64-17-5) | STEL | 1000 ppm |
| Solvent (CAS Proprietary) | STEL | 50 ppm |
| | TWA | 20 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|---------------------------|------|------------------------|
| Acetone (CAS 67-64-1) | TWA | 590 mg/m3 250 ppm |
| ethanol (CAS 64-17-5) | TWA | 1900 mg/m3 1000 ppm |
| Solvent (CAS Proprietary) | TWA | 100 mg/m3 25 ppm |

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Not available.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses; chemical goggles (if splashing is possible).
Eye wash fountain and emergency showers are recommended.

Skin protection

Hand protection Not available.

Other Wear appropriate chemical resistant clothing.
Wear appropriate chemical resistant gloves.

Respiratory protection Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

Thermal hazards Not available.

General hygiene considerations Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing.
When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.
Launder contaminated clothing before reuse.

9. Physical and chemical properties

Appearance Not available.

Physical state Not available.

Color Black.

Odor Solvent.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point 41.00 °F (5.00 °C) Closed Cup Method 1020A

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

| | |
|---------------------------------------|----------------|
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |

Vapor pressure Not available.

Solubility(ies) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information For other VOC regulatory data/information see Section 15.

VOC (Weight %) 789 g/l

10. Stability and reactivity

| | |
|---|------------------------------|
| Reactivity | Not available. |
| Chemical stability | Stable at normal conditions. |
| Possibility of hazardous reactions | None known. |
| Conditions to avoid | Heat, flames and sparks. |
| Incompatible materials | Not available. |
| Hazardous decomposition products | Not available. |

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

| | |
|--|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | Based on available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Based on available data, the classification criteria are not met. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |

IARC Monographs. Overall Evaluation of Carcinogenicity

Solvent (CAS Proprietary) 3 Not classifiable as to carcinogenicity to humans.

| | |
|---|---|
| Reproductive toxicity | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - single exposure | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Further information | Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. |

| Components | Species | Test Results |
|-----------------------|----------------|---------------------|
| Acetone (CAS 67-64-1) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | 20000 mg/kg |

| Components | Species | Test Results |
|-----------------------|------------|--|
| | | 20 ml/kg |
| <i>Inhalation</i> | | |
| LC50 | Rat | 76 mg/l, 4 Hours 50.1 mg/l, 8 Hours |
| <i>Oral</i> | | |
| LD50 | Mouse | 3000 mg/kg 5.2 g/kg |
| | Rabbit | 5340 mg/kg |
| | Rat | 5800 mg/kg |
| <i>Other</i> | | |
| LD50 | Mouse | 1297 mg/kg |
| | Rat | 5500 mg/kg |
| ethanol (CAS 64-17-5) | | |
| Acute | | |
| <i>Inhalation</i> | | |
| LC50 | Mouse | 39 mg/l, 4 Hours |
| | Rat | 20000 mg/l, 10 Hours |
| <i>Oral</i> | | |
| LD50 | Dog | 5.5 g/kg |
| | Guinea pig | 5.6 g/kg |
| | Mouse | 3450 mg/kg |
| | Rat | 7060 mg/kg 6.2 g/kg |
| <i>Other</i> | | |
| LD50 | Mouse | 933 mg/kg |
| | Rat | 1440 mg/kg |

12. Ecological information

Aquatic toxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects.

Ecotoxicity No information available.

| Components | Species | Test Results |
|---------------------------|---------|--|
| Acetone (CAS 67-64-1) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 21.6 - 23.9 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) 4740 - 6330 mg/l, 96 hours |
| ethanol (CAS 64-17-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 7.7 - 11.2 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) > 100 mg/l, 96 hours |
| Solvent (CAS Proprietary) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) 481 - 578 mg/l, 96 hours |

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Partition coefficient n-octanol / water (log Kow)

| | |
|---------|-------|
| Acetone | -0.24 |
| ethanol | -0.31 |
| Solvent | 0.81 |

Mobility in soil Not available.

Other adverse effects Not available.

13. Disposal considerations

| | |
|--|--|
| Disposal instructions | Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor. |
| Local disposal regulations | Not available. |
| Hazardous waste code | Not regulated. |
| Waste from residues / unused products | Not available. |
| Contaminated packaging | Not available. |

14. Transport information

DOT

| | |
|-------------------------------------|---|
| UN number | UN1210 |
| UN proper shipping name | Printing ink, flammable (Ethanol, Acetone) |
| Transport hazard class(es) | 3 |
| Subsidiary class(es) | Not available. |
| Packing group | II |
| Special precautions for user | DOT Classification only applies to shipments within the US and Puerto Rico. |
| Labels required | Not available. |

IATA

| | |
|-------------------------------------|--|
| UN number | UN1210 |
| UN proper shipping name | Printing ink, flammable (Ethanol, Acetone) |
| Transport hazard class(es) | 3 |
| Subsidiary class(es) | - |
| Packaging group | II |
| Environmental hazards | No |
| Labels required | Not available. |
| ERG Code | Not available. |
| Special precautions for user | Not available. |

IMDG

| | |
|-------------------------------------|--|
| UN number | UN1210 |
| UN proper shipping name | Printing ink, flammable (Ethanol, Acetone) |
| Transport hazard class(es) | 3 |
| Subsidiary class(es) | - |
| Packaging group | II |
| Environmental hazards | |
| Marine pollutant | No |
| Labels required | Not available. |
| EmS | Not available. |
| Special precautions for user | Not available. |

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

General information DOT Classification only applies to shipments within the US and Puerto Rico.

DOT





15. Regulatory information

US federal regulations

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

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not on regulatory list.

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|---------------------------|--------|
| Acetone (CAS 67-64-1) | LISTED |
| Solvent (CAS Proprietary) | LISTED |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

| | |
|---|----|
| SARA 302 Extremely hazardous substance | No |
|---|----|

| | |
|--|----|
| SARA 311/312 Hazardous chemical | No |
|--|----|

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

| | |
|---------------------------------------|----------------|
| Safe Drinking Water Act (SDWA) | Not regulated. |
|---------------------------------------|----------------|

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

| | |
|-----------------------|------|
| Acetone (CAS 67-64-1) | 6532 |
|-----------------------|------|

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

| | |
|-----------------------|--------|
| Acetone (CAS 67-64-1) | 35 %WV |
|-----------------------|--------|

DEA Exempt Chemical Mixtures Code Number

| | |
|-----------------------|------|
| Acetone (CAS 67-64-1) | 6532 |
|-----------------------|------|

| | |
|---|----------------|
| Food and Drug Administration (FDA) | Not regulated. |
|---|----------------|

US state regulations

US. Massachusetts RTK - Substance List

Acetone (CAS 67-64-1)
ethanol (CAS 64-17-5)
Solvent (CAS Proprietary)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Acetone (CAS 67-64-1)
ethanol (CAS 64-17-5)
Solvent (CAS Proprietary)

US. Rhode Island RTK

Acetone (CAS 67-64-1)
ethanol (CAS 64-17-5)

Solvent (CAS Proprietary)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

| | |
|-------------------------------|--|
| Other information | VOC content (less water, less exempt compounds) = 789 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids) |
| Regulatory information | 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. |

16. Other information, including date of preparation or last revision

| | |
|---------------------------------|---|
| Issue date | 04-Jun-2014 |
| Version # | 01 |
| Further information | Not available. |
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| Revision Information | Product and Company Identification: Synonyms Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties 14. Transport Information: Material Transportation Information Regulatory Information: United States HazReg Data: Europe - EU GHS: Classification |
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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 |