



SAFETY DATA SHEET

Section 1 - Identification

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|--|---|
| Important information | *** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. *** |
| Product identifier | LOS60Series |
| Other means of identification | None. |
| Recommended use of the chemical and restrictions on use | |
| Recommended use | Inkjet printing |
| Restrictions on use | Not available. |
| Details of manufacturer or importer | |
| | HP PPS Australia Pty Ltd Rhodes Corporate Park Building F Level 5, 1 Homebush Bay Drive Rhodes NSW 2138 Australia +61 2 8278 4492 |
| HP Inc. health effects line | |
| Australia Local Telephone Number | +61 1 800 686 951 |
| (Toll-free within the US) | 1-800-457-4209 |
| (Direct) | 1-760-710-0048 |
| HP Inc. Customer Care Line | |
| (Toll-free within the US) | 1-800-474-6836 |
| (Direct) | 1-208-323-2551 |
| Email: | sustainability@hp.com |

Section 2 - Hazard(s) identification

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|---|-----------------|
| Classification of the hazardous chemical | |
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| Label elements, including precautionary statements | |
| Hazard symbol(s) | None. |
| Signal word | None. |
| Hazard statement(s) | Not available. |
| Precautionary statement(s) | |
| Prevention | Not available. |
| Response | Not available. |
| Storage | Not available. |
| Disposal | Not available. |
| Supplemental information | None. |

Other hazards which do not result in classification

Complete toxicity data are not available for this specific formulation.

Potential routes of overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

Section 3 - Composition and information on ingredients**Mixture**

| Identity of chemical ingredients | CAS number and other unique identifiers | Concentration of ingredients |
|----------------------------------|---|------------------------------|
| Water | 7732-18-5 | 70-90 |
| Hydroxy alkylated lactam | Proprietary | <25 |
| Black Pigment | Proprietary | <5 |

Composition comments

This ink supply contains an aqueous ink formulation. This product was evaluated according to the criteria of the Australia Work Health and Safety Regulations (WHS Regulations). Carbon black is present only in a bound form in this preparation.

Section 4 - First aid measures**Description of necessary first aid measures**

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|---------------------|---|
| Inhalation | Remove to fresh air. If symptoms persist, get medical attention. |
| Skin contact | Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists. |
| Eye contact | 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 get medical attention. |
| Ingestion | If ingestion of a large amount does occur, seek medical attention. |

Personal protection for first-aid responders Not available.

Symptoms caused by exposure Not available.

Medical attention and special treatment Not available.

Section 5 - Firefighting measures**Extinguishing media**

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|---|--|
| Suitable extinguishing equipment | For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide. For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray. |
| Unsuitable extinguishing equipment | None known. |

Specific hazards arising from the chemical Not available.

Special protective equipment and precautions for firefighters Not available.

Hazchem code None.

Specific methods None established.

Section 6 - Accidental release measures**Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel Wear appropriate personal protective equipment.

For emergency responders Not available.

Environmental precautions Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up
Other issues relating to spills and releases

Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

Section 7 - Handling and storage

Precautions for safe handling Avoid contact with skin, eyes and clothing.
Conditions for safe storage, including any incompatibilities Keep out of the reach of children. Keep away from excessive heat or cold.

Section 8 - Exposure controls and personal protection

Control parameters

Occupational exposure limits

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

| Components | Type | Value |
|---------------|------|---------|
| Black Pigment | TWA | 3 mg/m3 |

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

| Components | Type | Value |
|---------------|------|---------|
| Black Pigment | TWA | 3 mg/m3 |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---------------|------|---------|---------------------|
| Black Pigment | TWA | 3 mg/m3 | Inhalable fraction. |

UK. EH40 Workplace Exposure Limits (WELs)

| Components | Type | Value |
|---------------|------|-----------|
| Black Pigment | STEL | 7 mg/m3 |
| | TWA | 3.5 mg/m3 |

Biological limit values No biological exposure limits noted for the ingredient(s).
Exposure guidelines Exposure limits have not been established for this product.
Control banding Not available.
Engineering controls Use in a well ventilated area.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection Not available.
Skin protection
Hand protection Not available.
Other Not available.
Respiratory protection Not available.
Thermal hazards Not available.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Section 9 - Physical and chemical properties

Physical state Liquid.
Form Not available.
Color Black.
Odor Not available.
Odor threshold Not available.
pH 7.5 - 9
Melting point/freezing point Not available.
Boiling point and boiling range Not available.
Flash point >230.0 °F (>110.0 °C)
Evaporation rate Not available.

| | |
|---|---|
| Flammability (solid, gas) | Not available. |
| Upper/lower explosive limits | |
| Explosion limit - lower (%) | Not available. |
| Explosion limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Relative vapor density | Not available. |
| Solubility | |
| Solubility (water) | Not available. |
| Partition coefficient: n-octanol/water | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Particle characteristics | Not available. |
| Data relevant with regard to physical hazard classes | No relevant additional information available. |
| Other physical and chemical parameters | |
| Density | 1.05 g/ml |
| Oxidizing properties | Not determined |
| VOC | 209 g/L |

Section 10 - Stability and reactivity

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|---|---|
| Reactivity | Not available. |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | Will not occur. |
| Conditions to avoid | Not available. |
| Incompatible materials | Incompatible with strong bases and oxidizing agents. |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

Section 11 - Toxicological information

Information on possible routes of exposure

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|---|--|
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Skin contact | Contact with skin may result in mild irritation. |
| Eye contact | Contact with eyes may result in mild irritation. |
| Ingestion | Health injuries are not known or expected under normal use. |
| Early onset symptoms related to exposure | Not available. |
| Delayed health effects from exposure | Not available. |
| Acute toxicity | Based on available data, the classification criteria are not met. |

| Components | Species | Test Results |
|--|---|---------------------|
| Black Pigment | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | > 10000 mg/kg |
| Skin corrosion/irritation | Based on available data, the classification criteria are not met. | |
| Serious eye damage/irritation | Based on available data, the classification criteria are not met. | |
| Respiratory or skin sensitization | | |
| 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. Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. |
| 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. |
| Other information | Complete toxicity data are not available for this specific formulation |

Section 12 - Ecological information

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|--------------------------------------|--|
| Aquatic toxicity | This product has not been tested for ecological effects. |
| Ecotoxicity | This product has not been tested for ecological effects. |
| Persistence and degradability | Not available. |
| Bioaccumulative potential | Not available. |
| Mobility in soil | Not available. |
| Other adverse effects | Not available. |

Section 13 - Disposal considerations

| | |
|-------------------------|---|
| Disposal methods | Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental 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 . |
|-------------------------|---|

Section 14 - Transport information

DOT

| | |
|-------------------------------------|-----------------------------------|
| UN number | Not regulated as dangerous goods. |
| UN proper shipping name | Not Regulated |
| Transport hazard class(es) | |
| Class | Not assigned. |
| Subsidiary risk | - |
| Packing group | Not assigned. |
| Environmental hazards | |
| Marine pollutant | No |
| Special precautions for user | Not assigned. |

IATA

| | |
|-------------------------------------|-----------------------------------|
| UN number | Not regulated as dangerous goods. |
| UN proper shipping name | Not Regulated |
| Transport hazard class(es) | |
| Class | Not assigned |
| Subsidiary risk | - |
| Packing group | Not assigned |
| Environmental hazards | No |
| Special precautions for user | Not assigned |

IMDG

| | |
|-----------------------------------|-----------------------------------|
| UN number | Not regulated as dangerous goods. |
| UN proper shipping name | Not Regulated |
| Transport hazard class(es) | |
| Class | Not assigned. |

Subsidiary risk -
Packing group Not assigned.
Transport hazard class(es)
Marine pollutant No
EmS Not assigned.
Special precautions for user Not assigned.

ADR

UN number Not regulated as dangerous goods.
UN proper shipping name Not Regulated
Transport hazard class(es)
Class Not assigned
Subsidiary risk -
Hazard No. (ADR) Not assigned
Tunnel restriction code Not assigned
Packing group Not assigned
Environmental hazards No
Soecial precautions for user Not assigned

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

Section 15 - Regulatory information

Safety, health and environmental regulations

National regulations

High Volume Industrial Chemicals (HVIC)

| | |
|---------------------------------|---|
| Black Pigment (CAS Proprietary) | 10000 - 99999 TONNES See the regulation for additional information. |
| Water (CAS 7732-18-5) | 1000 - 9999 TONNES See the regulation for additional information. |

Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10, as amended)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Not listed.

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

International regulations

HP complies with chemical regulatory requirements in chemical substance notification laws, where applicable. All chemical substances are notified or exempt from notification or listed in the inventory as existing substances in the following countries: US (TSCA), Canada (DSL/NDSL), Australia (AICIS), Japan (ISHL, ENCS), Philippines (PICCS), New Zealand (NZIoC) and China (IECSC). For guidance on importation and/or additional requirements for registration schemes such as EAEU, EU, South Korea, Turkey, UK, India and Taiwan, please contact the Sustainability and Compliance Center (sustainability@hp.com).

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

Section 16 - Any other relevant information

| | |
|--------------------------|--|
| Issue date | 22-May-2018 |
| Revision date | 12-Apr-2023 |
| Other information | This SDS was prepared in compliance with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets", 2003. |
| Disclaimer | <p>This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.</p> <p>This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.</p> |

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 |