

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name Canon Print Head BH-7
Product code(s) 0693C
Use Ink for Ink Jet Printer

Details of the supplier of the safety data sheet

Supplier

Canon Singapore Pte. Ltd.
1 Fusionopolis Place, #15-10 Galaxis, Singapore 138522
Email : cspl_msds@canon.com.sg
Phone number : (65) 6799-8888

Canon India Pvt. Ltd.
7th Floor, Tower B, DLF Epitome, DLF Phase-3, Gurgaon-122002 Haryana, India
Phone number : (91) 124-416-0000
Emergency phone number : (91) 124-416-0180

Manufacturer

Canon Inc.
30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

SECTION 2: Hazards identification

Classification of the substance or mixture

GHS Classification

Reproductive toxicity Category 1B

Label elements

No information to be stated since exposure which causes the above mentioned hazardous effect is not predicted to occur under normal use.

Other hazards which do not result in classification

None

SECTION 3: Composition/information on ingredients

Mixtures

| Chemical name | CAS-No | EC-No | Weight % | GHS Classification | Note to other hazards |
|---------------|-----------|-----------|----------|--|-----------------------|
| Glycol | CBI | CBI | 10 - 15 | None | |
| Glycerin | 56-81-5 | 200-289-5 | 5 - 10 | None | (1) |
| Lactam | CBI | CBI | 5 - 10 | Eye Irrit. 2 (H319) Repr. 1B (H360) | |
| Carbon black | 1333-86-4 | 215-609-9 | 1 - 5 | None | (1) |
| Water | 7732-18-5 | 231-791-2 | 60 - 80 | None | |

Full texts of Hazard statement(s) are listed in SECTION 16

Note to other hazards : The following substance(s) is (are) marked with (1), (2) and/or (3)

- (1) Substance for which Exposure Limit(s) is (are) established (See SECTION 8)
- (2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006
- (3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006

SECTION 4: First aid measures

Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Move to fresh air. Get medical attention immediately if symptoms occur. |
| Ingestion | Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur. |
| Skin contact | Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur. |
| Eye contact | Flush with plenty of water. Get medical attention immediately if symptoms occur. |

Most important symptoms and effects, both acute and delayed

| | |
|------------------------|--|
| Inhalation | None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing. |
| Ingestion | None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Skin contact | None under normal use. |
| Eye contact | None under normal use. May cause slight irritation. |
| Chronic effects | None under normal use. |

Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use CO₂, water, dry chemical, or foam.

Unsuitable extinguishing media

None

Special hazards arising from the substance or mixture

Special hazard

None

Hazardous combustion products

Carbon dioxide (CO₂), Carbon monoxide (CO)

Advice for firefighters

Special protective equipment for firefighters

None

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

Environmental precautions

Keep out of waterways.

Methods and material for containment and cleaning up

Wipe up with adsorbent material (e.g. cloth, fleece).

Other information

None

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition.

Specific end uses

Ink for Ink Jet Printer. Obtain special instructions before use.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

| Chemical name | EU OEL | Australia OEL | OSHA PEL | ACGIH TLV |
|---------------------------|--------|---|---|--|
| Glycerin 56-81-5 | None | TWA: 10 mg/m ³ inhalable dust, mist | TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction | None |
| Carbon black 1333-86-4 | None | TWA: 3 mg/m ³ | TWA: 3.5 mg/m ³ | TWA: 3 mg/m ³ inhalable particulate matter |

Appropriate engineering controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

| | |
|-------------------------------|--------------------------------|
| Eye/face protection | Not required under normal use. |
| Skin protection | Not required under normal use. |
| Respiratory protection | Not required under normal use. |
| Thermal hazards | Not applicable |

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|--|
| Appearance | Black ; Liquid |
| Odor | Slight odor |
| Odor threshold | No data available |
| pH | 7 - 9 |
| Melting/freezing point (°C) | No data available |
| Boiling point/range (°C) | No data available |
| Flash point (°C) | > 93.0°C (Tag. Closed Cup.); estimated |
| Evaporation rate | No data available |
| Flammability (solid, gas) | Not applicable |
| Flammability limits in air | |
| Upper flammability limit | None; estimated |
| Lower flammability limit | None; estimated |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | 1.0 - 1.1 |
| Solubility(ies) | Water; miscible |
| Partition coefficient: n-octanol/water | No data available |
| Auto-ignition temperature (°C) | None; estimated |
| Decomposition temperature (°C) | No data available |
| Viscosity (mPa s) | 1 - 5 |
| Explosive properties | None; estimated |
| Oxidizing properties | None; estimated |

Other information

No data available

SECTION 10: Stability and reactivity

Reactivity

None

Chemical stability

Stable

Possibility of hazardous reactions

None

Conditions to avoid

None

Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents.

Hazardous decomposition products

Carbon dioxide (CO₂), Carbon monoxide (CO), and/or Ammonia.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity No data available

Skin corrosion/irritation Non-irritant (OECD Guideline)

| | |
|--|---|
| Serious eye damage/eye irritation | Mild irritant (OECD Guideline) |
| Sensitization | Non-sensitizer (OECD Guideline) |
| Germ cell mutagenicity | Ames test: Negative |
| Carcinogenicity | The IARC evaluated carbon black, as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black at levels that induce particle overload of the lung. However, the amount of inhalation exposure to powdered carbon black is negligible under intended use of this product. |
| Reproductive toxicity | Lactam is classified as a Category 1B (GHS) developmental toxicant. However, the amount of exposure to lactam is negligible under intended use of this product. |
| STOT - single exposure | No data available |
| STOT - repeated exposure | No data available |
| Aspiration hazard | No data available |
| Other information | No data available |

SECTION 12: Ecological information

Toxicity

Ecotoxicity effects

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

Dispose of in accordance with local regulations.

SECTION 14: Transport information

| | |
|---|--|
| <u>UN number</u> | None |
| <u>UN proper shipping name</u> | None |
| <u>Transport hazard class</u> | None |
| <u>Packing group</u> | None |
| <u>Environmental hazards</u> | Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code. |
| <u>Special precautions for users</u> | IATA: Not regulated |
| <u>Transport in bulk according to Annex II of MARPOL and the IBC Code</u> | Not applicable |
| <u>Other information</u> | Not classified as dangerous goods according to ADG. |

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

| | |
|---------------------------------|---|
| (EC) No 1907/2006 Authorisation | Not regulated |
| (EC) No 1907/2006 Restriction | Not regulated |
| (EC) No 1005/2009 | Not regulated |
| (EU) 2019/1021 | Not regulated |
| (EU) No 649/2012 | Not regulated |
| Australia Information | Not classified as hazardous according to criteria of Work Health and Safety Regulations 2011. |
| Other information | None |

SECTION 16: Other information

Full text of H-statements referred to under SECTION 2 and 3

H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child

GHS classification stated in SECTION 2 and 3 is according to EU Regulation (EC) No 1272/2008 and Australian Model Work Health and Safety Regulations 2011

Key literature references and sources for data

- U.S. Department of Labor, 29CFR Part 1910
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EU) 2019/1021, (EU) No 649/2012
- Safe Work Australia, Model Work Health and Safety Act 2011 and Model Work Health and Safety Regulations 2011
- Australian Code for the Transport of Dangerous Goods by Road & Rail

Key or legend to abbreviations and acronyms used in the safety data sheet

- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- PBT: Persistent, Bioaccumulative and Toxic

- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- EU OEL: Occupational exposure limits at Union level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164 and (EU) 2019/1831.
- OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA)
- ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- ADG: Australian Dangerous Goods
- CBI: Confidential Business Information

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