



1. Chemical and company identification

| | |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. *** |
| Name of chemical (Product name) | CN833Series |
| | HP Japan Inc. 4F Ojima2-2-1 Koto-ku Tokyo, Japan 136-8711 |
| Poison Information Centre Telephone | 0120-50-3024 (+81) 3 5749-8363 |
| HP Inc. health effects line (Toll-free within the US) (Direct) | 1-800-457-4209 1-760-710-0048 |
| HP Inc. Customer Care Line (Toll-free within the US) (Direct) | 1-800-474-6836 1-208-323-2551 |
| Email: | hpcustomer.inquiries@hp.com |
| Recommended use of the chemical and restrictions on use | |
| Intended use | Inkjet printing |

2. Hazards identification

| | | |
|------------------------------|--------------------------------------------------------|-----------------------------------------|
| GHS classification | The product is not classified according to GHS. | |
| Physical hazards | | |
| Health hazards | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 1 |
| | Sensitization, skin | Category 1 |
| | Reproductive toxicity (fertility, the unborn child) | Category 1B |
| | Specific target organ toxicity, single exposure | Category 3 respiratory tract irritation |
| | Specific target organ toxicity, repeated exposure | Category 1 (liver, respiratory system) |
| Environmental hazards | Hazardous to the aquatic environment, long-term hazard | Category 2 |

GHS label elements

Symbols



Signal words

Danger

Hazard statement

Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. Causes damage to organs (liver, respiratory) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid release to the environment.

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Response | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical attention/advice. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell. Collect spillage. Take off contaminated clothing and wash before reuse. |
| Storage | Store locked up. Store in a well-ventilated place. Keep container tightly closed. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Other hazards which do not result in classification 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. Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

Supplemental information None.

3. Composition/information on ingredients

Substance or mixture Mixture

| Components | CAS Number | Gazette notification | | Concentration (%) |
|----------------------------------|-------------|----------------------|-----------------------|-------------------|
| | | ENCS no. | ISHL no. | |
| Acrylate ester 6 | Proprietary | (4)-1552 | 7-(2)-95, 7-(2)-96 | <25 |
| Vinylcaprolactam | Proprietary | (5)-6239 | 8-(1)-2044 | <25 |
| Amine modified polyetheracrylate | Proprietary | Proprietary | Proprietary | <20 |
| Acrylic acid, Monoalkyl Ester | Proprietary | (2)-990 | (2)-990 | <10 |
| Aliphatic diacrylate | Proprietary | (4)-1548 | 7-(2)-100 | <10 |
| Acrylate ester 2 | Proprietary | (5)-57 | (5)-57 | <7.5 |
| Substituted Phosphine Oxide | Proprietary | (3)-4445 | | <7.5 |
| Amine synergist | Proprietary | (3)-3788 | 4-(7)-1374 | <2.5 |
| Black Pigment | Proprietary | Proprietary | Proprietary | <2.5 |
| Dipropylene Glycol Diacrylate | Proprietary | Proprietary | Proprietary | <2.5 |
| Propiophenone derivative | Proprietary | (5)-5819 | 8-(7)-737 | <2.5 |

Synonym(s) HP XP220 Black Scitex Ink

Composition comments Carbon black is present only in a bound form in this preparation.

4. First aid measures

| | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled | Move to fresh air. If symptoms persist, get medical attention. |
| If on skin | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention. |
| If in eyes | 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. |
| If swallowed | If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. |

5. Fire-fighting measures

| | |
|-------------------------------------|---------------------------------------------------------------------|
| Extinguishing media | Dry powder. Carbon dioxide (CO2). Water may be ineffective. |
| Extinguishing media to avoid | Water. |
| Protection of fire-fighters | Avoid runoff into storm sewers and ditches which lead to waterways. |

6. Accidental release measures

| | |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency measures | Wear appropriate personal protective equipment. |
| Environmental precautions | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |
| Methods or materials for containment and cleaning up | Not available. |

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation) Not available.

Safe handling advice Avoid contact with skin, eyes and clothing.

Storage

Safe storage conditions Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.

Safe packaging materials Not available.

8. Exposure controls/personal protection

Occupational exposure limits

Japan. OELs - JSOH (Japan Society of Occupational Health: Recommendation of Occupational Exposure Limits)

| Components | Type | Value | Form |
|---------------|------|---------------------|------------------|
| Black Pigment | TWA | 4 mg/m ³ | Total dust. |
| | | 1 mg/m ³ | Respirable dust. |

US. ACGIH Threshold Limit Values

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

Exposure guidelines Exposure limits have not been established for this product.

Engineering measures Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

Personal protective equipment

Respiratory protection Not available.

Hand protection Wear appropriate chemical resistant gloves. Recommended gloves: Nitrile 6 mil minimum thickness.

Eye protection Not available.

Skin and body protection Not available.

9. Physical and chemical properties

Appearance

Physical state Not available.

Form Liquid.

Color Black.

Odor Characteristic.

pH 6.8 - 7.2 Metler Toledo pH Meter. Temperature 25°C

Melting point/Freezing point Not available.

Boiling point, initial boiling point, and boiling range Not available.

Flash point > 212.0 °F (> 100.0 °C) Closed Cup

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.

Vapor density Not available.

Specific gravity Not available.

Solubility(ies)

Solubility (water) Not available.

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

Auto-ignition temperature Not available.

| | |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Decomposition temperature | Not available. |
| Viscosity (Coefficient of viscosity) | 13.5 - 14.5 cP Brookfield Viscometer (± 0.5) Temperature 45°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading. |
| Other information | |
| VOC | < 95 g/L |

10. Stability and reactivity

| | |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity | Not available. |
| Chemical stability | Stable under normal storage conditions. |
| Possibility of hazardous reactions | Hazardous polymerization can occur with decreased inhibitor content. |
| Conditions to avoid | Exposure to sunlight. |
| Incompatible materials | Incompatible with strong bases and oxidizing agents. alkaline metals |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

11. Toxicological information

| | | |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Acute toxicity | Harmful in contact with skin. | |
| Components | Species | Test Results |
| Black Pigment | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | > 10000 mg/kg |
| Vinylcaprolactam | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 1700 mg/kg |
| Inhalation | | |
| LC50 | Rat | > 1.6 mg/l |
| Oral | | |
| LD50 | Rat | 1114 mg/kg |
| Skin corrosion/irritation | Based on available data, the classification criteria are not met. | |
| Serious eye damage/eye irritation | Causes serious eye damage. | |
| 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. May cause an allergic skin reaction. | |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. | |
| Carcinogenicity | 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. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. Carbon black is present only in a bound form in this preparation. Based on available data, the classification criteria are not met. | |
| Reproductive toxicity | May damage fertility. May damage the unborn child. | |
| Specific target organ toxicity - single exposure | May cause irritation to the respiratory system. | |
| Aspiration hazard | Based on available data, the classification criteria are not met. | |
| Other information | Complete toxicity data are not available for this specific formulation | |

12. Ecological information

| | |
|-------------------------|---------------------------------------------------------------------------------------------|
| Aquatic toxicity | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|-------------------------|---------------------------------------------------------------------------------------------|

| | | | |
|-------------------------------|----------------|---------------------------------|-------------------------------|
| Ecotoxicological data | | | |
| Components | Species | Test Results | |
| Acrylic acid, Monoalkyl Ester | | | |
| <u><i>Acute</i></u> | | | |
| | ErC50 | Pseudokirchneriella subcapitata | > 0.274 µg/l, 72 h (OECD 201) |

| Components | | Species | Test Results |
|--------------------------------------|-----------------------------|-------------------------|----------------------------------------------|
| | LC50 | Leuciscus idus | 460 mg/l, 96 h (DIN 38 412, part L 15, 1982) |
| | NOEC | Leuciscus idus | 215 mg/l, 96 h (DIN 38 412, part L 15, 1982) |
| <i>Chronic</i> | | | |
| | LOEC | Daphina magna | > 0.25 µg/l, 21 d (OECD 211) |
| Aquatic | | | |
| <i>Chronic</i> | | | |
| Crustacea | NOEC | Daphnia magna | 0.25 µg/l, 21 d (OECD 211) |
| Fish | LOEC | Danio rerio | > 1 µg/l, 36 d (OECD 210) |
| Substituted Phosphine Oxide | | | |
| <i>Acute</i> | | | |
| | EC50 | Desmodesmus subspicatus | > 260 µg/l, 72 h (OECD 201) |
| | LC50 | Danio rerio | > 90 µg/l, 96 h (OECD 203) |
| | NOEC | Desmodesmus subspicatus | > 260 µg/l, 72 h (OECD 201) |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Crustacea | EC50 | Daphnia magna | > 1175 µg/l, 48 h (OECD 202) |
| <i>Chronic</i> | | | |
| Crustacea | NOEC | Daphnia magna | >= 8.1 µg/l, 21 d (OECD 211) |
| Ecotoxicity | Not available. | | |
| Persistence and degradability | Not available. | | |
| Bioaccumulation | Not available. | | |
| Bioaccumulative potential | | | |
| Bioconcentration factor | | | |
| Acrylic acid, Monoalkyl Ester | 2.34, (EPA Epiwin (v.4.11)) | | |
| Substituted Phosphine Oxide | 5, (similar to OECD 305 C) | | |
| Mobility in soil | Not available. | | |
| Hazardous to the ozone layer | Not available. | | |

13. Disposal considerations

Local disposal regulations 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.

14. Transport information

DOT

UN number UN3082
UN proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative), MARINE POLLUTANT

Transport hazard class(es)

Class 9
Subsidiary risk -
Packing group III

Environmental hazards

Marine pollutant Yes

Special precautions for user Not available.

DOT Supplemental Information DOT Classification only applies to shipments within the US and Puerto Rico.

IATA

UN number UN3082
UN proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)

Transport hazard class(es)

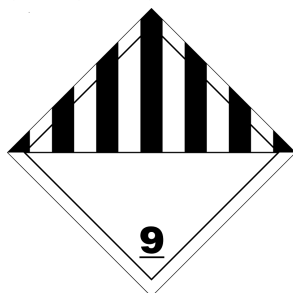
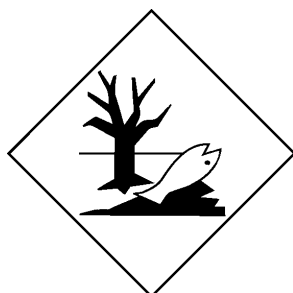
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes
Special precautions for user Not available.

IMDG

UN number UN3082
UN proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative), MARINE POLLUTANT
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Transport hazard class(es)
Marine pollutant Yes
EmS Not available.
Special precautions for user Not available.

ADR

UN number UN3082
UN proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)
Transport hazard class(es)
Class 9
Subsidiary risk -
Hazard No. (ADR) Not available.
Tunnel restriction code Not available.
Packing group III
Environmental hazards Yes
Special precautions for user Not available.

ADR; DOT; IATA; IMDG**Marine pollutant****15. Regulatory information****Industrial Safety and Health Act****Notifiable substances**

Acrylic acid, Monoalkyl Ester 0 - 10 %

Labeling substances

Acrylic acid, Monoalkyl Ester 0 - 10 %
 CARBONBLACK 0 - 2.5 %

Poisonous and Deleterious Substances Control Act**Specified poisonous substances**

Not regulated.

Poisonous substances

Not regulated.

Deleterious substances

Not regulated.

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.**Class I specified chemical substances**

Not regulated.

Class II specified chemical substances

Not regulated.

Monitoring chemical substances

Not regulated.

Priority Assessment Chemical Substances (PACs)

Not regulated.

Reporting Exempted Substances

Not regulated.

Law concerning Pollutant Release and Transfer Register**Specified class 1 substances (substance name, ordinance number and content)**

Not regulated.

Class 1 substances (substance name, ordinance number and content)

Not regulated.

Class 2 substances (substance name, ordinance number and content)

Not regulated.

Fire Service Act

Class 4 Group 3 oils (Non-water soluble) Hazard rank III

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule

Miscellaneous dangerous substances

Air Law, Enforcement Rule

Miscellaneous dangerous goods

Explosives Control Act

Not regulated.

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

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.

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.

Revision information

1. Product and Company Identification: EU Poison Center

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 |