



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation CP780B

Use of the substance/preparation Inkjet printing

Issue date 03-Jun-2014

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Version # 08

Synonym(s) HP HDR240 Black Scitex Ink

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

| | | |
|---|--|---|
| Physical hazards | Not classified. | |
| Health hazards | Acute toxicity, oral | Category 5 |
| | Acute toxicity, dermal | Category 5 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 1 |
| | Sensitization, skin | Category 1 |
| | Reproductive toxicity | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 respiratory tract irritation |
| Specific target organ toxicity, repeated exposure | Category 1 | |
| Environmental hazards | Hazardous to the aquatic environment, long-term hazard | Category 2 |

GHS label elements

Signal word Danger



Hazard statement May be harmful if swallowed. May be harmful in contact with skin. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Suspected of damaging fertility. May cause respiratory irritation. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P202 - Do not handle until all safety precautions have been read and understood.
P201 - Obtain special instructions before use.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.

Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313 - IF exposed or concerned: Get medical attention/advice.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
P391 - Collect spillage.
P362 - Take off contaminated clothing and wash before reuse.

Storage

P405 - Store locked up.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS # | Percent |
|--|---------------|---------|
| Acrylic acid ester | Proprietary | <30 |
| Acrylate ester | Proprietary | <25 |
| Vinylcaprolactam | Proprietary | <20 |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine | Proprietary | <5 |
| Carbon black | 1333-86-4 | <5 |
| Octyl decyl acrylate | Not available | <5 |
| Urethane acrylate oligomer A | Proprietary | <5 |
| Urethane acrylate oligomer B | Proprietary | <5 |
| Acrylated oligoamine resin | Proprietary | <2.5 |
| Glycerol, propoxylated, esters with acrylic acid | Proprietary | <1 |

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

4. FIRST AID MEASURES

Inhalation

Move to fresh air. If symptoms persist, get medical attention.

Skin contact

Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

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 the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash point

240.8 °F (116.0 °C) Closed Cup EPA Method 1020

Suitable extinguishing media

Dry powder. Carbon dioxide (CO₂). Water may be ineffective.

Extinguishing media which must not be used for safety reasons

Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.

Unusual fire & explosion hazards

None known.

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|---|
| Personal precautions | Wear appropriate personal protective equipment. Do not touch or walk through spilled material. |
| Environmental precautions | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations. |
| Methods for cleaning up | Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. |

7. HANDLING AND STORAGE

| | |
|-----------------|---|
| Handling | Avoid contact with skin, eyes and clothing. |
| Storage | 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. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Colombia. OELs. Resolution No. 02400: Norms Concerning Working Conditions, Health and Safety in the Workplace

| Components | Type | Value | Form |
|------------------------------|------|---------------------|---------------------|
| Carbon black (CAS 1333-86-4) | TWA | 3 mg/m ³ | Inhalable fraction. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|------------------------------|------|---------------------|---------------------|
| Carbon black (CAS 1333-86-4) | TWA | 3 mg/m ³ | Inhalable fraction. |

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

Recommended monitoring procedures

Additional exposure data Exposure limits have not been established for this product.

Personal protective equipment

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

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

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

Skin and body protection Wear appropriate chemical resistant clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state Liquid.

Color Black.

Odor Characteristic.

pH Not available.

Melting point/Freezing point Not available.

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

Flash point 240.8 °F (116.0 °C) Closed Cup EPA Method 1020

Auto-ignition temperature Not available.

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapor pressure Not available.

Specific gravity Not available.

| | |
|--|--------------------------------|
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | Not available. |
| Other data | |
| VOC (Weight %) | 19 g/L Method 24/ASTM D5403-93 |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to avoid | Exposure to sunlight. |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Stability | Stable under normal storage conditions. |
| Materials to avoid | Incompatible with strong bases and oxidizing agents. alkaline metals |
| Hazardous polymerization | Hazardous polymerization can occur with decreased inhibitor content. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|--|
| Acute toxicity | May be harmful if swallowed. May be harmful in contact with skin. |
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Causes serious eye damage. |
| Respiratory or skin sensitization | |
| Skin sensitization | May cause sensitization by skin contact. |
| Respiratory sensitization | 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. Carbon black is present only in a bound form in this preparation. Based on available data, the classification criteria are not met |
| Colombia. OELs. Resolution No. 02400: Norms Concerning Working Conditions, Health and Safety in the Workplace | |
| Carbon black (CAS 1333-86-4) | A3 Animal carcinogen. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Carbon black (CAS 1333-86-4) | 2B Possibly carcinogenic to humans. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Toxic to reproduction | Suspected of damaging fertility. |
| Specific target organ toxicity - single exposure | May cause irritation to the respiratory system. |
| Specific target organ toxicity - repeated exposure | Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Other information | Complete toxicity data are not available for this specific formulation |

Toxicological data

| Components | Species | Test Results |
|------------------------------|---------|--------------|
| Carbon black (CAS 1333-86-4) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Rat | > 8000 mg/kg |

12. ECOLOGICAL INFORMATION

| | |
|------------------------------------|--|
| Environmental effects | Not available. |
| Persistence / degradability | Not available. |
| Bioaccumulation | Not available. |
| Aquatic toxicity | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects. |
| Mobility | 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.

14. TRANSPORT INFORMATION

DOT

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

ADR

Basic shipping requirements:

Proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)
Hazard class 9
UN number 3082
Packing group III
Marine pollutant Yes

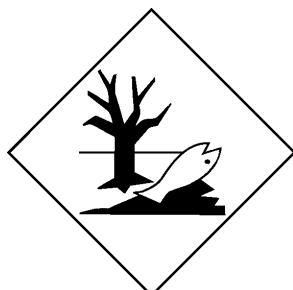
DOT; IATA; IMDG





ADR

Marine pollutant



15. REGULATORY INFORMATION

Federal regulations

International regulations

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.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Rotterdam Convention

Not applicable.

Stockholm Convention

Not applicable.

16. OTHER INFORMATION

Disclaimer

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.

Prepared by

HP Chemical Compliance & Toxicology Department

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16-Dec-2016

Version

08

This data sheet contains changes from the previous version in section(s):

Composition / Information on Ingredients: Disclosure Overrides
EXPOSURE CONTROLS/PERSONAL PROTECTION: Hand protection
Physical & Chemical Properties: Multiple Properties

Manufacturer information

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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 |