# SAFETY DATA SHEET

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

**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. ***

**1.1. Product identifier**

| | |
|---|---|
| **Trade name or designation of the mixture** | CH665 Series |
| **Registration number** | - |
| **UFI** | U19H-8668-430A-59X6 |
| **Synonyms** | HP XP222 Black Scitex Ink |
| **Issue date** | 06-Sep-2013 |
| **Version number** | 14 |
| **Revision date** | 23-Apr-2021 |
| **Supersedes date** | 26-Mar-2021 |

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

| | |
|---|---|
| **Identified uses** | Inkjet printing |
| **Uses advised against** | None known. |

**1.3. Details of the supplier of the safety data sheet**

HP Inc. Polska Sp. z o.o.
University Business Center II, ul. Szturmowa 2A, 4th floor - wing L
Warsaw, Poland 02-678

| | |
|---|---|
| **Telephone** | +48 22 50 20 670 |
| **HP Inc. health effects line** | |
| **(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:** | hpcustomer.inquiries@hp.com |
| **1.4 Emergency telephone number** | 1-760-476-3961 Access code 9519 |

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 as amended**

**Health hazards**

| | | |
|---|---|---|
| Skin corrosion/irritation | Category 2 | H315 - Causes skin irritation. |
| Serious eye damage/eye irritation | Category 2 | H319 - Causes serious eye irritation. |
| Skin sensitization | Category 1 | H317 - May cause an allergic skin reaction. |
| Reproductive toxicity (fertility, the unborn child) | Category 1B | H360FD - May damage fertility. May damage the unborn child. |
| Specific target organ toxicity - repeated exposure | Category 1 (liver, respiratory system) | H372 - Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. |

**Environmental hazards**

| | | |
|---|---|---|
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 2 | H411 - Toxic to aquatic life with long lasting effects. |

**2.2. Label elements**

**Label according to Regulation (EC) No. 1272/2008 as amended**

**Contains:** 1-vinylhexahydro-2H-azepin-2-one, 2-methyl-1-(4-methylthiophenyl)- 2-morpholinopropan-1-one, 2-phenoxyethyl acrylate, Dodecyl acrylate

**Hazard pictograms**

**Signal word** Danger

**Hazard statements**

| | |
|---|---|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H317 | May cause an allergic skin reaction. |
| H360FD | May damage fertility. May damage the unborn child. |
| H372 | Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |

**Precautionary statements**

**Prevention**

| | |
|---|---|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| 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. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P308 + P313 | IF exposed or concerned: Get medical attention/advice. |
| P314 | Get medical attention/advice if you feel unwell. |
| P391 | Collect spillage. |
| P362 | Take off contaminated clothing and wash before reuse. |

**Storage**

| | |
|---|---|
| P405 | Store locked up. |

**Disposal**

| | |
|---|---|
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

**Supplemental label information** None.

**2.3. Other hazards** 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.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**General information**

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---|---|---|---|
| 2-phenoxyethyl acrylate | <40 | 48145-04-6<br>256-360-6 | 01-2119980532-35-XXXX | - | |
| **Classification:** | Skin Sens. 1A;H317, Repr. 2;H361d, Aquatic Chronic 2;H411 | | | | |
| 1-vinylhexahydro-2H-azepin-2-one | <20 | 2235-00-9<br>218-787-6 | 01-2119977109-27-XXXX | - | |
| **Classification:** | Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Sens. 1B;H317, Eye Irrit. 2;H319, STOT RE 1;H372 | | | | |
| Dodecyl acrylate | <20 | 2156-97-0<br>218-463-4 | 01-2119976296-23-XXXX | - | |
| **Classification:** | Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, STOT SE 3;H335, Aquatic Chronic 2;H411 | | | | |

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---|---|---|---|
| 2-[[3-hydroxy-2,2-bis[[(1-oxoallyl)oxy] methyl]propoxy]methyl]-2-[[(1-oxoallyl) oxy]methyl]-1,3-propandiyldiacrylat | <10 | 1384855-91-7<br>800-838-4 | 01-2119980666-22-XXXX | - | |
| **Classification:** Skin Sens. 1A;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412 | | | | | |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide | <5 | 75980-60-8<br>278-355-8 | 01-2119972295-29-XXXX | 015-203-00-X | |
| **Classification:** Skin Sens. 1B;H317, Repr. 2;H361fd, Aquatic Chronic 2;H411 | | | | | |
| Neopentylglycol, propoxylated esters with acrylic acid | <5 | 84170-74-1<br>- | 01-2119970213-43-XXXX | - | |
| **Classification:** Skin Sens. 1B;H317, Aquatic Chronic 2;H411 | | | | | |
| 2-isopropyl-9H-thioxanthen-9-one | <2.5 | 5495-84-1<br>226-827-9 | 01-2120769513-49-XXXX | - | |
| **Classification:** - | | | | | |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | <2.5 | 71868-10-5<br>400-600-6 | - | 606-041-00-6 | |
| **Classification:** Acute Tox. 4;H302, Repr. 1B;H360FD, Aquatic Chronic 2;H411 | | | | | |

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

## SECTION 4: First aid measures

**General information** Not available.

**4.1. Description of 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.

**4.2. Most important symptoms and effects, both acute and delayed** Not available.

**4.3. Indication of any immediate medical attention and special treatment needed** Not available.

## SECTION 5: Firefighting measures

**General fire hazards** Not available.

**5.1. Extinguishing media**

**Suitable extinguishing media** Dry powder. Carbon dioxide ($CO_2$). Water may be ineffective.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** Not available.

**5.3. Advice for firefighters**

**Special protective equipment for firefighters** Not available.

**Special fire fighting procedures** Avoid runoff into storm sewers and ditches which lead to waterways.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

**For emergency responders** Not available.

**6.2. Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

| | |
|---|---|
| **6.3. Methods and material for containment and cleaning up** | Not available. |
| **6.4. Reference to other sections** | Not available. |

## SECTION 7: Handling and storage

| | |
|---|---|
| **7.1. Precautions for safe handling** | Avoid contact with skin, eyes and clothing. |
| **7.2. Conditions for safe storage, including any incompatibilities** | 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. |
| **7.3. Specific end use(s)** | Not available. |

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

| | |
|---|---|
| **Occupational exposure limits** | No exposure limits noted for ingredient(s). |
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Recommended monitoring procedures** | Not available. |

**Derived no effect levels (DNELs)**

| Components | Type | Route | Value | Form |
|---|---|---|---|---|
| 1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9) | Workers | Dermal | 0.7 mg/kg | Systemic long term |
| | | Inhalation | 4.9 mg/m3 | Systemic long term |
| | | Inhalation | 0.17 mg/m3 | Local long term |
| 2-[[3-hydroxy-2,2-bis[[(1-oxoallyl)oxy]methyl] propoxy]methyl]-2-[[(1-oxoallyl)oxy]methyl]-1, 3-propandiyldiacrylat (CAS 1384855-91-7) | Industry | Dermal | 0.5 mg/kg/day | |
| | | Inhalation | 1.76 mg/m3 | |
| 2-phenoxyethyl acrylate (CAS 48145-04-6) | Workers | Dermal | 1.5 mg/kg | Systemic long term |
| | | Inhalation | 77 mg/m3 | Local long term |
| | | Inhalation | 10 mg/m3 | Systemic long term |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide (CAS 75980-60-8) | Workers | Dermal | 0.233 mg/kg | Systemic long term |
| | | Inhalation | 0.822 mg/m3 | Systemic long term |
| Dodecyl acrylate (CAS 2156-97-0) | Workers | Dermal | 138.9 mg/kg | Systemic long term |
| | | Inhalation | 97.9 mg/m3 | Systemic long term |
| Neopentylglycol, propoxylated esters with acrylic acid (CAS 84170-74-1) | Workers | Dermal | 3.33 mg/kg | Systemic long term |
| | | Inhalation | 11.75 mg/m3 | Systemic long term |

**Predicted no effect concentrations (PNECs)**

| Components | Type | Route | Value | Form |
|---|---|---|---|---|
| 1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9) | Not applicable | Freshwater | 0.1 mg/l | |
| | | Intermittent | 1 mg/l | Releases |
| | | Marine water | 0.01 mg/l | |
| | | Sediment | 0.829 mg/kg | Freshwater |
| | | Sediment | 0.0829 mg/kg | Marine water |
| | | Soil | 0.107 mg/kg | |
| | | STP | 262 mg/l | Sewage Treatment Plant |
| 2-phenoxyethyl acrylate (CAS 48145-04-6) | Not applicable | Freshwater | 0.002 mg/l | |
| | | Intermittent | 0.0121 mg/l | Releases |
| | | Marine water | 0.0002 mg/l | |
| | | Sediment | 0.02 mg/kg | Freshwater |
| | | Sediment | 0.002 mg/kg | Marine water |
| | | Soil | 0.006 mg/kg | |
| | | STP | 1.77 mg/l | Sewage Treatment Plant |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide (CAS 75980-60-8) | Not applicable | Freshwater | 0.00353 mg/l | |
| | | Intermittent | 0.0353 mg/l | Releases |
| | | Marine water | 0.0005353 mg/l | |
| | | Sediment | 0.29 mg/kg | Freshwater |

| Components | Type | Route | Value | Form |
|---|---|---|---|---|
| | | Sediment | 0.029 mg/kg | Marine water |
| | | Soil | 0.0557 mg/kg | |
| Dodecyl acrylate (CAS 2156-97-0) | Not applicable | Freshwater | 0.495 mg/l | |
| | | Intermittent | 0.52 mg/l | Releases |
| | | Marine water | 0.05 mg/l | |
| | | Sediment | 1245.42 mg/kg | Freshwater |
| | | Sediment | 124.54 mg/kg | Marine water |
| | | Soil | 248.09 mg/kg | |
| | | STP | 1000 mg/l | Sewage Treatment Plant |
| Neopentylglycol, propoxylated esters with acrylic acid (CAS 84170-74-1) | Not applicable | Freshwater | 0.0027 mg/l | |
| | | Intermittent | 0.027 mg/l | Releases |
| | | Marine water | 0.00027 mg/l | |
| | | Sediment | 0.188 mg/kg | Freshwater |
| | | Sediment | 0.018 mg/kg | Marine water |
| | | Soil | 0.036 mg/kg | |
| | | STP | 0.2 mg/l | Sewage Treatment Plant |

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

**8.2. Exposure controls**

**Appropriate engineering controls** Not available.

**Individual protection measures, such as personal protective equipment**

**General information** Not available.

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

**Skin protection**

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

**- Other** Wear appropriate chemical resistant clothing.

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

**Thermal hazards** Not available.

**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.

**Environmental exposure controls** Not available.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

**Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** Black.

**Odor** Characteristic.

**Odor threshold** Not available.

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

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** > 200.0 °F (> 93.3 °C) Closed Cup EPA Method 1020

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

| | |
|---|---|
| **Vapor pressure** | Not available. |
| **Vapor density** | Not available. |
| **Relative density** | 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** | 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. |
| **Explosive properties** | Not available. |
| **Oxidizing properties** | Not available. |
| **9.2. Other information** | |
| **VOC** | 27.2 g/L Method 24/ASTM D403-93 |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **10.1. Reactivity** | Not available. |
| **10.2. Chemical stability** | Stable under normal storage conditions. |
| **10.3. Possibility of hazardous reactions** | Hazardous polymerization can occur with decreased inhibitor content. |
| **10.4. Conditions to avoid** | Exposure to sunlight. |
| **10.5. Incompatible materials** | Incompatible with strong bases and oxidizing agents. alkaline metals |
| **10.6. 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

| | |
|---|---|
| **General information** | Not available. |
| **Information on likely routes of exposure** | |
| **Inhalation** | Inhalation may result in mild irritation to the respiratory system. |
| **Skin contact** | Causes skin irritation. May cause sensitization by skin contact. |
| **Eye contact** | Causes serious eye irritation. |
| **Ingestion** | Ingestion is not a likely route of exposure. |
| **Symptoms** | Not available. |

**11.1. Information on toxicological effects**

**Acute toxicity** Based on available data, the classification criteria are not met.

| Components | Species | Test Results |
|---|---|---|
| 1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | 1700 mg/kg |
| **Inhalation** | | |
| LC50 | Rat | > 1.6 mg/l |
| **Oral** | | |
| LD50 | Rat | 1114 mg/kg |

| | |
|---|---|
| **Skin corrosion/irritation** | Causes skin irritation. |
| **Serious eye damage/eye irritation** | Causes serious eye irritation. |
| **Respiratory sensitization** | Based on available data, the classification criteria are not met. |
| **Skin sensitization** | May cause sensitization by skin contact. |
| **Germ cell mutagenicity** | Based on available data, the classification criteria are not met. |

| | |
|---|---|
| **Carcinogenicity** | Based on available data, the classification criteria are not met.<br>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. |
| **Reproductive toxicity** | May damage fertility. May damage the unborn child. |
| **Specific target organ toxicity - single exposure** | Based on available data, the classification criteria are not met. |
| **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. |
| **Mixture versus substance information** | Not available. |
| **Other information** | Complete toxicity data are not available for this specific formulation |

## SECTION 12: Ecological information

### 12.1. Toxicity

**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.

| Components | | Species | Test Results |
|---|---|---|---|
| 2-phenoxyethyl acrylate (CAS 48145-04-6) | | | |
| *Acute* | | | |
| | EC10 | Desmodesmus subcapitatus | 0.71 mg/l, 72 h (DIN 38412 L9) |
| | EC50 | Desmodesmus subcapitatus | 4.44 mg/l, 72 h (DIN 38412 L9) |
| | LC50 | Leuciscus idus | 10 mg/l, 96 h (DIN 38 412) |
| | NOEC | Desmodesmus subcapitatus | 0.71 mg/l, 72 h (DIN 38412 L9) |
| **Aquatic** | | | |
| *Acute* | | | |
| Crustacea | EC50 | Daphnia magna | 1.21 mg/l, 48 h (Directive CE 79/831/CEE, Annex V, Part C) |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide (CAS 75980-60-8) | | | |
| *Acute* | | | |
| | EC10 | Pseudokirchneriella subcapitata | 1.56 mg/l, 72 h (OECD 201) |
| | EC50 | Pseudokirchneriella subcapitata | > 2.01 mg/l, 72 h (OECD 201) |
| | LC50 | Cyprinus carpio | 1.4 mg/l, 96 h (OECD 203) |
| **Aquatic** | | | |
| *Acute* | | | |
| Crustacea | EC50 | Daphnia magna | 3.53 mg/l, 48 h (OECD 202) |
| Dodecyl acrylate (CAS 2156-97-0) | | | |
| *Acute* | | | |
| | ErC50 | Pseudokirchneriella subcapitata | > 0.274 µg/l, 72 h (OECD 201) |
| | 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) |
| *Chronic* | | | |
| | LOEC | Daphina magna | > 0.25 µg/l, 21 d (OECD 211) |
| **Aquatic** | | | |
| *Chronic* | | | |
| Crustacea | NOEC | Daphnia magna | 0.25 µg/l, 21 d (OECD 211) |
| Fish | LOEC | Danio rerio | > 1 µg/l, 36 d (OECD 210) |
| Neopentylglycol, propoxylated esters with acrylic acid (CAS 84170-74-1) | | | |
| *Acute* | | | |
| | EC10 | Pseudokirchneriella subcapitata | 2.3 mg/l, 72 h (OECD 201) |
| | EC50 | Pseudokirchneriella subcapitata | 11 mg/l, 72 h (OECD 201) |

| Components | | Species | Test Results |
|---|---|---|---|
| **Aquatic** | | | |
| *Acute* | | | |
| Crustacea | EC50 | Daphnia Magna | 37 mg/l, 48 h (OECD 202) |
| Fish | LC50 | Danio rerio | 2.7 mg/l, 96 h (OECD 203) |

**12.2. Persistence and degradability** Not available.

**12.3. Bioaccumulative potential** Not available.

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

**Bioconcentration factor (BCF)**

| | |
|---|---|
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide | 72, (JIS K 0102-1986, 71 - Kanpogyo No .S, Yakuhatsu No . 615, 4 MITI/MHW Chemical Substance Control Law, Japan) |
| Dodecyl acrylate | 2.34, (EPA Epiwin (v.4.11)) |

**12.4. Mobility in soil** Not available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** Not available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Residual waste** Not available.

**Contaminated packaging** Not available.

**EU waste code** Not available.

**Disposal methods/information** 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.

## SECTION 14: Transport information

**DOT**

Not regulated as dangerous goods.

**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.

**IATA Supplemental Information** When shipping ≤ 5L inner packaging, Special Provision A197 may apply.

**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** F-A, S-F
**Special precautions for user** Not available.

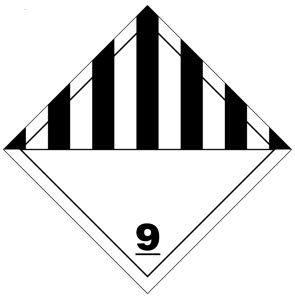
**IMDG Supplemental Information** When shipping ≤ 5L containers, IMDG 2.10.2.7 may apply.

**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 Supplemental Information** | When shipping ≤ 5L containers, ADR 375 may apply. |

**ADR; IATA; IMDG**




**Marine pollutant**

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU regulations**

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

2-methyl-1-(4-methylthiophenyl)- 2-morpholinopropan-1-one (CAS 71868-10-5)

**Authorizations**

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

**Restrictions on use**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended**

Not listed.

**Other EU regulations**

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

2-methyl-1-(4-methylthiophenyl)- 2-morpholinopropan-1-one (CAS 71868-10-5)

**Other 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.

**Other information**

This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830. Classification according to Regulation (EC) No 1272/2008 as amended.

Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).

**National regulations**

Ordinance of the Minister of Family, Labor and Social Policy of 12 June 2018 concerning maximum permissible concentrations and intensities of factors harmful to health in the work environment (Dz.U. 2018 /Journal of laws/ item. 1286).

Act on Waste of 14 December 2012 (Dz. U. /Journal of Laws/ of 2013, No. 0, item 21).

Act on Packaging and Packaging Waste Management of 13 June 2013 (Dz. U. /Journal of Laws/ of 2013, No. 0, item 888).

Announcement of the Speaker of the Sejm of the Republic of Poland, June 6th, 2019 on the publication of a consolidated text of the Act on Chemical Substances and Their Mixtures (Dz. U. 2019/Journal of laws/ item. 1225)

Regulation of the Minister of Labour and Social Policy on the general occupational health and safety regulations of 26 September 1997 (Dz. U. /Journal of Laws/ of 2003, No. 169, item 1650 as amended).

**Poland. Substances that could yield hazardous waste (Law on waste, DZ.U. poz. 21/2013, Annex 4)**

Not listed.

**15.2. Chemical safety assessment**

See attached SUMI or GEIS document, if applicable.

## SECTION 16: Other information

**References**

Regulation (EC) No. 1907/2006 of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (REACH).

Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging of substances and mixtures, and amendments (CLP).

**Information on evaluation method leading to the classification of mixture**

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any H-statements not written out in full under Sections 2 to 15**

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H360FD May damage fertility. May damage the unborn child.
H361d Suspected of damaging the unborn child.
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

**Revision information**

3. Composition / Information on Ingredients: Disclosure Overrides

**Training information**

Follow training instructions when handling this material.

**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.

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.

# Safe Use of Mixture Information (SUMI)

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# UV digital printing inks: UV01 *English*

**Disclaimer**

*This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.*
*The REACH registration number(s), where applicable, completes an extended product SDS.*

**Operational conditions**

| | |
|---|---|
| **Maximum duration** | Up to 8 hours per day |
| **Frequency of exposure** | < 240 days per year |
| **Process conditions** | Covers use at ambient temperatures.<br>Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace.<br>Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS.<br>Avoid direct contact.<br>Regular cleaning of equipment and work area.<br>Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions foll |

**Risk management measures**

| | |
|---|---|
| **Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation** | Wear safety glasses with side shields (or goggles), if splashing is possible.<br>Wear appropriate chemical resistent gloves: see section 8 of the SDS.<br>Wear appropriate chemical resistent clothing.<br>Eye wash fountain and emergency showers are recommended.<br>Avoid breathing mist/vapours.<br>Avoid contact with skin, eyes and clothing.<br>Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.<br>  |

**Good practice advice**

Use personal protective equipment as required.
Wash hands before breaks and after work.
Keep good industrial hygiene and safety practice.
Use only with adequate ventilation.
Do no eat, drink or smoke when using this product.
Wash contaminated clothing before reuse.
Store in a well-ventilated place.
Keep container tightly closed.
Store at room temperature.

**Environmental measures**

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 appropriately licenced waste contractor.

**Use descriptors**

IS-Use at industrial sites
PW-Widespread use by professional workers
SU7-Printing and reproduction media
PC18-Inks and Toners
PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities
ERC5-Use at industrial site leading to inclusion into/onto article
ERC8c-Widespread use leading to inclusion into/onto article (indoor)

**Additional information on product composition**

In section 2 of the SDS as well as on the label, the classification of the mixture is provided.
The classification of the mixture is based on the individuel ingredients and their concentration within the mixture.
All ingredients contributing to the classification are stated in Section 3 of the SDS.
Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.
The product may contain sensitizing ingredients that may cause allergic reaction to certain people.
Section 2 of the SDS states these ingredients where applicable.
The product is classified as toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.