



# SAFETY DATA SHEET

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

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### 1.1. Product identifier

**Trade name or designation of the mixture** CN870Series  
**Registration number** -  
**UFI** 25K3-S7TP-F30H-XFED  
**Synonyms** HP XP231 Specialty Billboard Magenta Scitex Ink  
**Issue date** 26-Nov-2013  
**Version number** 13  
**Revision date** 29-Mar-2021  
**Supersedes date** 05-Sep-2019

### 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 Printing and Personal Systems Hellas EPE  
1-3 Tzavella Str, 152 31 Halandri, 2nd Floor  
Athens, Greece 152 31  
**Telephone** +30 211 180 6900

### 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** +30 210 7793777

## 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 1                              | H318 - Causes serious eye damage.  |
| 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 - single exposure    | Category 3 respiratory tract irritation | H335 - May cause respiratory irritation.   |
| 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, Ethyl 4-dimethylaminobenzoate, exo-1,7,7-trimethylbicyclo[2.2,1]hept-2-yl acrylate, Oxybis(methyl-2,1-ethanediyl) diacrylate

### Hazard pictograms



**Signal word** Danger

### Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
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.  
P271 Use only outdoors or in a well-ventilated area.  
P201 Obtain special instructions before use.  
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.  
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.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

#### Disposal

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

**Supplemental label information** None.

**2.3. Other hazards** 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 |
|---|---|-------------------------|------------------------|-----------|-------|
| 1-vinylhexahydro-2H-azepin-2-one                                | <20   | 2235-00-9<br>218-787-6  | 01-2119977109-27-XXXX  | -         |       |
| <b>Classification:</b>  | Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Sens. 1B;H317, Eye Irrit. 2;H319, STOT RE 1;H372       |                         |                        |           |       |
| exo-1,7,7-trimethylbicyclo[2.2,1]hept-2-yl acrylate             | <20   | 5888-33-5<br>227-561-6  | 01-2119957862-25-XXXX  | -         |       |
| <b>Classification:</b>  | Skin Irrit. 2;H315, Skin Sens. 1B;H317, Eye Irrit. 2;H319, STOT SE 3;H335, Aquatic Chronic 1;H410 |                         |                        |           |       |
| (octahydro-4.7-methano-1H-indenediy l)bis(methylene) diacrylate | <15   | 42594-17-2<br>255-901-3 | -                      | -         |       |
| <b>Classification:</b>  | Skin Sens. 1;H317, Aquatic Chronic 2;H411   |                         |                        |           |       |

| Chemical name  | %    | CAS-No. / EC No.          | REACH Registration No. | Index No.    | Notes |
|--|------|---------------------------|------------------------|--------------|-------|
| Propylidynetrimethanol, ethoxylated, esters with acrylic acid<br><b>Classification:</b> Skin Sens. 1;H317  | <15  | Proprietary<br>-          | -                      | -            |       |
| 2-[[[3-hydroxy-2,2-bis[[[(1-oxoallyl)oxy]methyl]propoxy]methyl]-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propandiyldiacrylat<br><b>Classification:</b> Skin Sens. 1A;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412 | <10  | 1384855-91-7<br>800-838-4 | 01-2119980666-22-XXXX  | -            |       |
| Dodecyl acrylate<br><b>Classification:</b> Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, STOT SE 3;H335, Aquatic Chronic 2;H411  | <7.5 | 2156-97-0<br>218-463-4    | 01-2119976296-23-XXXX  | -            |       |
| Oxybis(methyl-2,1-ethanediy) diacrylate<br><b>Classification:</b> Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Dam. 1;H318   | <5   | 57472-68-1<br>260-754-3   | 01-2119484629-21-XXXX  | -            |       |
| Phenyl, Bis (2,4,6-trimethylbenzoyl)-phosphine oxide<br><b>Classification:</b> Skin Sens. 1A;H317, Aquatic Chronic 4;H413  | <5   | 162881-26-7<br>423-340-5  | 01-2119489401-38-XXXX  | 015-189-00-5 |       |
| Tetrahydrofurfuryl acrylate<br><b>Classification:</b> Acute Tox. 4;H302, Skin Corr. 1B;H314, Skin Sens. 1;H317, Eye Dam. 1;H318, Repr. 1B;H360, Repr. 1B;H360FD, Aquatic Chronic 2;H411                      | <5   | 2399-48-6<br>219-268-7    | 01-2120738396-46-XXXX  | -            |       |
| 2-isopropyl-9H-thioxanthen-9-one<br><b>Classification:</b> -   | <2.5 | 5495-84-1<br>226-827-9    | 01-2120769513-49-XXXX  | -            |       |
| Ethyl 4-dimethylaminobenzoate<br><b>Classification:</b> Repr. 1B;H360D, Repr. 1B;H360F, Aquatic Chronic 2;H411   | <2.5 | 10287-53-3<br>233-634-3   | -                      | -            |       |

## SECTION 4: First aid measures

**General information** Not available.

### 4.1. Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Move to fresh air. If symptoms persist, get medical attention.  |
| <b>Skin contact</b> | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  |
| <b>Eye contact</b>  | 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. |
| <b>Ingestion</b>    | 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

|                                       |  |
|---------------------------------------|--|
| <b>Suitable extinguishing media</b>   | Dry powder. Carbon dioxide (CO2). Water may be ineffective.                                  |
| <b>Unsuitable extinguishing media</b> | Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire. |

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

### 5.3. Advice for firefighters

|  |                |
|--|----------------|
| <b>Special protective equipment for firefighters</b> | Not available. |
|--|----------------|

**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/m <sup>3</sup>   | Systemic long term  |
|   |           | Inhalation | 0.17 mg/m <sup>3</sup>  | 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/m <sup>3</sup>  |                     |
| Dodecyl acrylate (CAS 2156-97-0)  | Workers   | Dermal     | 138.9 mg/kg             | Systemic long term  |
|   |           | Inhalation | 97.9 mg/m <sup>3</sup>  | Systemic long term  |
| exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate (CAS 5888-33-5)   | Workers   | Dermal     | 1.39 mg/kg              | Systemic long term  |
| Oxybis(methyl-2,1-ethanediyl) diacrylate (CAS 57472-68-1)   | Workers   | Dermal     | 2.77 mg/kg              | Systemic long term  |
|   |           | Inhalation | 24.48 mg/m <sup>3</sup> | Systemic short term |
| Phenyl, Bis (2,4,6-trimethylbenzoyl)-phosphine oxide (CAS 162881-26-7)  | Workers   | Dermal     | 3.3 mg/kg               | Systemic long term  |
|   |           | Dermal     | 3.3 mg/kg               | Systemic short term |
|   |           | Inhalation | 7.8 mg/m <sup>3</sup>   | Systemic long term  |
| Tetrahydrofurfuryl acrylate (CAS 2399-48-6)   | Consumers | Inhalation | 7.8 mg/m <sup>3</sup>   | Systemic short term |
|   |           | Dermal     | 1.75 mg/kg bw/d         | Systemic long term  |
|   |           | Inhalation | 0.3 mg/m <sup>3</sup>   | Systemic long term  |
|   | Workers   | Oral       | 0.18 mg/kg bw/d         | Systemic long term  |
|   |           | Dermal     | 4.9 mg/kg bw/d          | Systemic long term  |
|   | Workers   | Inhalation | 1.73 mg/m <sup>3</sup>  | 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 |          |

| Components  | Type           | Route        | Value         | Form                   |
|---|----------------|--------------|---------------|------------------------|
| Dodecyl acrylate (CAS 2156-97-0)                                    | Not applicable | 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 |
|   |                | 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           |
|   |                | Sediment     | 248.09 mg/kg  |                        |
| exo-1,7,7-trimethylbicyclo[2.2,1]hept-2-yl acrylate (CAS 5888-33-5) | Not applicable | STP          | 1000 mg/l     | Sewage Treatment Plant |
|   |                | Freshwater   | 0.00092 mg/l  |                        |
|   |                | Intermittent | 0.00704 mg/l  | Releases               |
|   |                | Marine water | 0.000092 mg/l |                        |
|   |                | Sediment     | 0.145 mg/kg   | Freshwater             |
|   |                | Sediment     | 0.0145 mg/kg  | Marine water           |
|   |                | Soil         | 0.0285 mg/kg  |                        |
|   |                | STP          | 2 mg/l        | Sewage Treatment Plant |
|   |                | Freshwater   | 0.0034 mg/l   |                        |
|   |                | Intermittent | 0.034 mg/l    | Releases               |
| Oxybis(methyl-2,1-ethanediyl) diacrylate (CAS 57472-68-1)           | Not applicable | Marine water | 0.00034 mg/l  |                        |
|   |                | Sediment     | 0.00884 mg/kg | Freshwater             |
|   |                | Soil         | 0.0013 mg/kg  |                        |
|   |                | STP          | 100 mg/l      | Sewage Treatment Plant |
|   |                | Freshwater   | 0.8 mg/l      |                        |
|   |                | Intermittent | 0.8 mg/l      | Releases               |
|   |                | Marine water | 0.8 mg/l      |                        |
|   |                | STP          | 1 mg/l        | Sewage Treatment Plant |
|   |                | Freshwater   | 3.92 µg/l     |                        |
|   |                | Intermittent | 39.2 µg/l     | Releases               |
| Tetrahydrofurfuryl acrylate (CAS 2399-48-6)                         | Not applicable | Marine water | 0.392 µg/l    |                        |
|   |                | Sediment     | 0.0206 mg/kg  | Freshwater             |
|   |                | Sediment     | 0.0021 mg/kg  | Marine water           |
|   |                | Soil         | 0.0018 mg/kg  |                        |
|   |                | STP          | 2.637 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.

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## SECTION 9: Physical and chemical properties

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

#### Appearance

|  |  |
|--|--|
| Physical state                               | Liquid.  |
| Form   | Liquid.  |
| Color  | Magenta  |
| 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                                  | > 212.0 °F (> 100.0 °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.   |
| Solubility(ies)                              |  |
| Solubility (water)                           | Not available.   |
| Partition coefficient (n-octanol/water)      | Not available.   |
| Auto-ignition temperature                    | Not available.   |
| Decomposition temperature                    | Not available.   |
| Viscosity                                    | 14.5 - 15.5 cP Brookfield Viscometer (± 0.5) Temperature 55°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  | 8.88 g/L Method 24/ASTM D403-93  |

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## 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. |

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## SECTION 11: Toxicological information

|  |   |
|--|---|
| General information                        | Not available.  |
| Information on likely routes of exposure   |   |
| Inhalation                                 | May cause irritation to the respiratory system.                   |
| Skin contact                               | Causes skin irritation. May cause sensitization by skin contact.  |
| Eye contact                                | Causes serious eye damage.  |
| 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)          |   |              |
| <b>Acute</b>  |   |              |
| <b>Dermal</b>   |   |              |
| LD50  | Rabbit  | 1700 mg/kg   |
| <b>Inhalation</b>   |   |              |
| LC50  | Rat   | > 1.6 mg/l   |
| <b>Oral</b>   |   |              |
| LD50  | Rat   | 1114 mg/kg   |
| <b>Skin corrosion/irritation</b>                          | Non-corrosive (OECD 431)<br>Causes skin irritation.   |              |
| <b>Serious eye damage/eye irritation</b>                  | Causes serious eye damage.  |              |
| <b>Respiratory sensitization</b>                          | Based on available data, the classification criteria are not met.                           |              |
| <b>Skin sensitization</b>                                 | May cause sensitization by skin contact.  |              |
| <b>Germ cell mutagenicity</b>                             | Based on available data, the classification criteria are not met.                           |              |
| <b>Carcinogenicity</b>                                    | Based on available data, the classification criteria are not met.                           |              |
| <b>Reproductive toxicity</b>                              | May damage fertility. May damage the unborn child.  |              |
| <b>Specific target organ toxicity - single exposure</b>   | May cause irritation to the respiratory system.   |              |
| <b>Specific target organ toxicity - repeated exposure</b> | Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. |              |
| <b>Aspiration hazard</b>                                  | Based on available data, the classification criteria are not met.                           |              |
| <b>Mixture versus substance information</b>               | Not available.  |              |
| <b>Other information</b>                                  | 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.

| Components   | Species        | Test Results  |
|--|----------------|---|
| Dodecyl acrylate (CAS 2156-97-0)                                       |                |   |
| <i>Acute</i>   |                |   |
|  | 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)   |
| <i>Chronic</i>   |                |   |
|  | LOEC           | Daphnia magna > 0.25 µg/l, 21 d (OECD 211)                    |
| <b>Aquatic</b>   |                |   |
| <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)                         |
| Phenyl, Bis (2,4,6-trimethylbenzoyl)-phosphine oxide (CAS 162881-26-7) |                |   |
| <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)           |
| <b>Aquatic</b>   |                |   |
| <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)                    |
| <b>12.2. Persistence and degradability</b>                             | Not available. |   |

|  |   |
|--|---|
| <b>12.3. Bioaccumulative potential</b>                 | Not available.                          |
| <b>Partition coefficient n-octanol/water (log Kow)</b> | Not available.                          |
| <b>Bioconcentration factor (BCF)</b>                   |   |
| Dodecyl acrylate                                       | 2.34, (EPA Epiwin (v.4.11))             |
| Phenyl, Bis (2,4,6-trimethylbenzoyl)-phosphine oxide   | 5, (similar to OECD 305 C)              |
| <b>12.4. Mobility in soil</b>                          | Not available.                          |
| <b>12.5. Results of PBT and vPvB assessment</b>        | Not a PBT or vPvB substance or mixture. |
| <b>12.6. Other adverse effects</b>                     | Not available.                          |

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                     |  |
|-------------------------------------|--|
| <b>Residual waste</b>               | Not available.   |
| <b>Contaminated packaging</b>       | Not available.   |
| <b>EU waste code</b>                | Not available.   |
| <b>Disposal methods/information</b> | Do not dispose of together with general office waste.<br>Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.<br>Ensure collection and disposal with an appropriately licensed waste contractor. |

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## 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

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3082  |
| <b>UN proper shipping name</b>      | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates) |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 9   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        | Yes   |
| <b>Special precautions for user</b> | Not available.  |

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

### IMDG

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

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

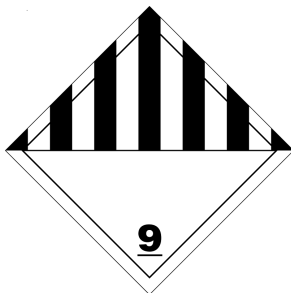
### ADR

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

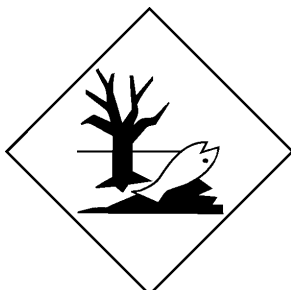
**ADR Supplemental Information** When shipping ≤ 5L containers, ADR 375 may apply.



ADR; IATA; IMDG



Marine pollutant



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## 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**

Not listed.

#### 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**

Not listed.

#### 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. European Union, Canada, Ontario, Japan, Philippines, 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**

Not available.

**15.2. Chemical safety assessment**

See attached SUMI or GEIS document, if applicable.

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**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.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H360 May damage fertility or the unborn child.  
H360D May damage the unborn child.  
H360F May damage fertility.  
H360FD May damage fertility. May damage the unborn child.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.

**Revision information**

1. Product and Company Identification: EU Poison Center  
3. Composition / Information on Ingredients: Disclosure Overrides  
HazReg Data: Europe - EU

**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.

## Explanation of abbreviations

|               |   |
|---------------|---|
| <b>ACGIH</b>  | American Conference of Governmental Industrial Hygienists           |
| <b>CAS</b>    | Chemical Abstracts Service  |
| <b>CERCLA</b> | Comprehensive Environmental Response Compensation and Liability Act |
| <b>CFR</b>    | Code of Federal Regulations   |
| <b>COC</b>    | Cleveland Open Cup  |
| <b>DOT</b>    | Department of Transportation  |
| <b>EPCRA</b>  | Emergency Planning and Community Right-to-Know Act (aka SARA)       |
| <b>IARC</b>   | International Agency for Research on Cancer                         |
| <b>NIOSH</b>  | National Institute for Occupational Safety and Health               |
| <b>NTP</b>    | National Toxicology Program   |
| <b>OSHA</b>   | Occupational Safety and Health Administration                       |
| <b>PEL</b>    | Permissible Exposure Limit  |
| <b>RCRA</b>   | Resource Conservation and Recovery Act                              |
| <b>REC</b>    | Recommended   |
| <b>REL</b>    | Recommended Exposure Limit  |
| <b>SARA</b>   | Superfund Amendments and Reauthorization Act of 1986                |
| <b>STEL</b>   | Short-Term Exposure Limit   |
| <b>TCLP</b>   | Toxicity Characteristics Leaching Procedure                         |
| <b>TLV</b>    | Threshold Limit Value   |
| <b>TSCA</b>   | Toxic Substances Control Act  |
| <b>VOC</b>    | Volatile Organic Compounds  |

# 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

|                              |   |
|------------------------------|---|
| <b>Maximum duration</b>      | Up to 8 hours per day   |
| <b>Frequency of exposure</b> | < 240 days per year   |
| <b>Process conditions</b>    | 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.  
Wear appropriate chemical resistant gloves: see section 8 of the SDS.  
Wear appropriate chemical resistant clothing.  
Eye wash fountain and emergency showers are recommended.  
Avoid breathing mist/vapours.  
Avoid contact with skin, eyes and clothing.  
Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.



### 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 individual 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.