

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Hard UV - Grey

#### 1.2. Other means of identification

Other means of identification : DLPHDGY01

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : For use in UV Printers, For use in DLP Printers

#### 1.4. Supplier's details

##### Manufacturer

Photocentric Ltd  
Titan House  
20 Titan Drive  
Peterborough, PE1 5XN, Cambridgeshire  
United Kingdom  
T +44 (0) 1733 349937 (UK Office hours only)  
[info@photocentric.co.uk](mailto:info@photocentric.co.uk) - <https://photocentricgroup.com/>

##### Distributor

Photocentric Inc  
855 N. 107th Ave  
Suite A110  
Avondale, Arizona, AZ, 85323  
United States  
T 006235813220 x1009 (USA Office hours only)  
[customerservice@photocentricusa.com](mailto:customerservice@photocentricusa.com) - <https://photocentricgroup.com/>

#### 1.5. Emergency phone number

Emergency number : +44 (0) 1733 349937 (UK Office hours only) 006235813220  
x1009 (USA Office hours only)

Transport Emergencies for US & CANADA: For Hazardous Materials [or Dangerous Goods]  
Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887 CCN 992854

### SECTION 2 Hazard Identification

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

##### GHS US classification

Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351	Suspected of causing cancer.
Specific target organ toxicity — Repeated exposure, Category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects.

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning  
Hazard statements (GHS US) : H317 - May cause an allergic skin reaction  
H351 - Suspected of causing cancer.

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### Precautionary statements (GHS US)

H373 - May cause damage to organs through prolonged or repeated exposure  
H411 - Toxic to aquatic life with long lasting effects  
: P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 - Do not breathe dust, fume, gas, mist, vapours, spray.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection.  
P302+P352 - If on skin: Wash with plenty of soap and water.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P314 - Get medical advice or attention if you feel unwell.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P391 - Collect spillage.  
P405 - Store locked up.  
P501 - Dispose of hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

Other hazards which do not result in classification : None under normal conditions.

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Conc. (% w/w)	GHS US classification
Proprietary (Dimethacrylate)	≥ 50 – < 70	Aquatic Chronic 4, H413
Proprietary (Diacylate)	≥ 10 – < 15	Aquatic Chronic 2, H411
Proprietary (Diacylate)	≥ 10 – < 15	Aquatic Chronic 1, H410
Proprietary (Multifunctional acrylate)	≥ 5 – < 10	STOT RE 2, H373 Aquatic Chronic 2, H411
Proprietary (Photoinitiator)	≥ 1 – < 3	Aquatic Chronic 1, H410
Proprietary (Pigment)	< 1	Carc. 2, H351 Aquatic Chronic 3, H412

Full text of hazard classes and H-statements : see section 16

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### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and symptoms	: Harmful if swallowed. Irritation: severely irritant to eyes. Irritation: may cause irritation to the respiratory system.
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause irritation to the digestive tract.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically. In all cases of doubt, or when symptoms persist, seek medical attention. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO <sub>2</sub> ).

#### 5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire	: Keep cool. Protect from sunlight. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.
Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection. Evacuate area. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: High temperature decomposition products are harmful by inhalation.

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### SECTION 6 Accidental release measures

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

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.
<b>For non-emergency personnel</b>	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. See section 8 of the SDS for more information on personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
<b>For emergency responders</b>	
Protective equipment	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Protective gloves. Safety glasses. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Ventilate area. Stop leak if safe to do so.
Environmental precautions	: Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas.

#### 6.2. Methods and materials for containment and cleaning up

For containment	: For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect spillage. Stop leak, if possible without risk.
Methods for cleaning up	: Take up liquid spill into absorbent material. This material and its container must be disposed of in a safe way, and as per local legislation. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure that there is a suitable ventilation system. Do not handle in a confined space. Avoid contact with skin, eyes and clothing. Protective clothing (with elasticated cuffs and closed neck). Do not breathe vapors.
Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Handling temperature	: 10 – 50 °C
Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.

#### 7.2. Conditions for safe storage, including incompatibilities

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Store locked up.
Incompatible materials	: Direct sunlight.
Storage temperature	: 10 – 50 °C

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Specific end uses : The identified uses for this product are detailed in section 1.2.  
Packaging materials : Store always product in container of same material as original container.

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

Proprietary (Pigment)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Titanium dioxide
ACGIH OEL TWA	0.2 mg/m <sup>3</sup> (Nanoscale particles. R - Repairable particulate matter) 2.5 mg/m <sup>3</sup> (Finescale particles. R - Repairable particulate matter)
Remark (ACGIH)	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Titanium dioxide (Total dust)
OSHA PEL TWA	15 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures, such as personal protective equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

Materials for protective clothing:
Wear suitable protective clothing and gloves. Nitrile rubber. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training.
Hand protection:
Wear protective gloves. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. Nitrile-rubber protective gloves
Eye protection:
Safety glasses. Safety glasses (EN 166). Chemical goggles or safety glasses
Skin and body protection:
Wear suitable protective clothing. Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact. Wear suitable protective clothing. Protective clothing (EN 14605 or EN 13034). Use footwear with anti-static or anti-spark features
Respiratory protection:
In case of inadequate ventilation wear respiratory protection. Wear suitable respiratory protection (conforming to EN140 with Type A filter or better) and gloves (type EN374) if regular skin contact likely.

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### Personal protective equipment symbol(s):



### Thermal hazard protection:

Typical measures to maintain workplace concentrations of airborne VOCs and particulates below respective OELs: e.g. thermal wet scrubber – gas removal and/or air filtration – particle removal and/or thermal oxidation and/or vapour recovery – adsorption.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Black
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available

#### Proprietary (Photoinitiator)

Particle characteristics	No data available
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#### Proprietary (Diacrylate)

Particle characteristics	No data available
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#### Proprietary (Diacrylate)

Particle characteristics	No data available
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#### Proprietary (Dimethacrylate)

Particle characteristics	No data available
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#### Proprietary (Multifunctional acrylate)

Particle characteristics	No data available
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### Proprietary (Pigment)

Particle characteristics

No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 Toxicological information

### 11.1. Likely routes of exposure

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

### Proprietary (Photoinitiator)

LD50 oral rat

> 2000 mg/kg body weight Animal: rat, Guideline: EU Method B.1 (Acute Toxicity (Oral))

LD50 dermal rat

> 2000 mg/kg body weight Animal: rat, Guideline: other:92/69/EEC

### Proprietary (Diacylate)

LD50 oral rat

> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)

LD50 dermal rabbit

3650 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

ATE US (dermal)

3650 mg/kg body weight

### Proprietary (Diacylate)

LD50 oral rat

> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)

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<b>Proprietary (Diacylate)</b>	
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
<b>Proprietary (Dimethacrylate)</b>	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
<b>Proprietary (Multifunctional acrylate)</b>	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other:Japanese Ministry of Agriculture, Forestry and Fisheries (JMAFF), 12 Nohsan, Notification No 8147, April 2011, including the most recent partial revisions.
LD50 dermal rabbit	> 2000 mg/kg body weight Animal: other:Albino rabbits, Guideline: other:40 CFR Part 163.81-2 (Environmental Protection Agency, Pesticides Programs, Proposed Guidelines for Registering Pesticides in the U.S.; Hazard Evaluation: Humans and Domestic Animals. Acute Dermal Toxicity)
<b>Proprietary (Pigment)</b>	
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 3.43 mg/l Source: ECHA
Skin corrosion/irritation	: Not classified
<b>Proprietary (Dimethacrylate)</b>	
pH	6 – 8
<b>Proprietary (Pigment)</b>	
pH	7
Serious eye damage/irritation	: Not classified
<b>Proprietary (Dimethacrylate)</b>	
pH	6 – 8
<b>Proprietary (Pigment)</b>	
pH	7
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
<b>Proprietary (Pigment)</b>	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified



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STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Proprietary (Photoinitiator)	
NOAEL (oral, rat, 90 days)	> 1000 mg/kg body weight Animal: rat, Guideline: other: 92/69/EEC
Proprietary (Diacrylate)	
NOAEL (oral, rat, 90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Proprietary (Diacrylate)	
NOAEL (oral, rat, 90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral))
Proprietary (Dimethacrylate)	
NOAEL (oral, rat, 90 days)	300 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral))
Proprietary (Multifunctional acrylate)	
NOAEL (oral, rat, 90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: EPA OPPTS 870.3650
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

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Viscosity, kinematic	No data available
Proprietary (Photoinitiator)	
Viscosity, kinematic	No data available
Proprietary (Diacrylate)	
Viscosity, kinematic	No data available
Proprietary (Diacrylate)	
Viscosity, kinematic	No data available
Proprietary (Dimethacrylate)	
Viscosity, kinematic	No data available
Proprietary (Multifunctional acrylate)	
Viscosity, kinematic	No data available
Proprietary (Pigment)	
Viscosity, kinematic	No data available

Potential Adverse human health effects and symptoms : Harmful if swallowed. Irritation: severely irritant to eyes. Irritation: may cause irritation to the respiratory system.

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : Harmful if swallowed. May cause irritation to the digestive tract.

Other information : Likely routes of exposure: skin and eye.

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### SECTION 12 Ecological information

#### 12.1. Ecotoxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Proprietary (Photoinitiator)	
LC50 - Fish [1]	> 0.09 mg/l Test organisms (species): other:Zebra Fish Brachydanio rerio
EC50 - Crustacea [1]	> 1.175 mg/l Test organisms (species): other aquatic crustacea:Daphnia Magna
EC50 72h - Algae [1]	> 0.26 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Proprietary (Diacylate)	
LC50 - Fish [1]	4.6 – 10 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	2.6 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1.5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Proprietary (Diacylate)	
EC50 - Crustacea [1]	2.36 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.71 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Proprietary (Dimethacrylate)	
LC50 - Fish [1]	> 100 mg/l LL <sub>50</sub> , 96 hours: > 100 mg/l, Brachydanio rerio (Zebra Fish)
EC50 - Crustacea [1]	> 100 mg/l EC <sub>50</sub> , 48 hours: > 100 mg/l, Daphnia magna
EC50 72h - Algae [1]	EL50, 72 hours: > 100 mg/l, Pseudokirchneriella subcapitata

Proprietary (Multifunctional acrylate)	
LC50 - Fish [1]	8.9 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	18 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 36 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	21 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Proprietary (Pigment)	
LC50 - Fish [1]	155 mg/l Test organisms (species): other:Japanese Medaka
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

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Proprietary (Pigment)	
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

### 12.2. Persistence and degradability

Hard UV - Grey	
Persistence and degradability	Not rapidly degradable

Proprietary (Photoinitiator)	
Persistence and degradability	Not rapidly degradable

Proprietary (Diacrylate)	
Persistence and degradability	Not rapidly degradable

Proprietary (Diacrylate)	
Persistence and degradability	Not rapidly degradable

Proprietary (Dimethacrylate)	
Persistence and degradability	The substance is readily biodegradable. Degradation (85%) 29 days OCED 301B.

Proprietary (Multifunctional acrylate)	
Persistence and degradability	Not rapidly degradable

Proprietary (Pigment)	
Persistence and degradability	Not rapidly degradable

### 12.3. Bioaccumulative potential

Proprietary (Dimethacrylate)	
Partition coefficient n-octanol/water (Log Kow)	5.3 – 5.62 log Kow: 5.30~5.62

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Fluorinated greenhouse gases :  
: No

## SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Avoid release to the environment. Comply with applicable regulations for solid waste disposal. Dispose in a safe manner in accordance with local/national regulations. Disposal must be done according to official regulations.
Additional information	: Clean up even minor leaks or spills if possible without unnecessary risk. Consult an expert on waste disposal or treatment. Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

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### SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

#### 14.1. UN number

UN-No.(DOT)	: Not applicable
UN-No. (TDG)	: Not applicable
UN-No. (IMDG)	: 3082
UN-No. (IATA)	: 3082

#### 14.2. UN Proper Shipping Name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.

#### 14.3. Transport hazard class(es)

##### DOT

Transport hazard class(es) (DOT)	: Not applicable
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##### TDG

Transport hazard class(es) (TDG)	: Not applicable
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##### IMDG

Transport hazard class(es) (IMDG)	: 9
Hazard labels (IMDG)	: 9



##### IATA

Transport hazard class(es) (IATA)	: 9
Hazard labels (IATA)	: 9



#### 14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: III
Packing group (IATA)	: III

#### 14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes



Other information	: No supplementary information available.
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### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

Not applicable

#### TDG

Not applicable

#### IMDG

Special provision (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	: A

#### IATA

Special provision (IATA)	: A97, A158, A197, A215
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
ERG code (IATA)	: 9L

## SECTION 15 Regulatory information

### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Proprietary (Multifunctional acrylate)	≥ 5 – < 10%
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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

##### Proprietary (Photoinitiator)

Listed on the Canadian DSL (Domestic Substances List)

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### Proprietary (Diacrylate)

Listed on the Canadian DSL (Domestic Substances List)

### Proprietary (Diacrylate)

Listed on the Canadian DSL (Domestic Substances List)

### Proprietary (Dimethacrylate)

Listed on the Canadian DSL (Domestic Substances List)

### Proprietary (Multifunctional acrylate)

Listed on the Canadian DSL (Domestic Substances List)

### Proprietary (Pigment)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

#### Proprietary (Photoinitiator)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Proprietary (Diacrylate)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Proprietary (Diacrylate)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Proprietary (Pigment)

Listed on IARC (International Agency for Research on Cancer)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 17/04/2025

Issue date : 08/04/2021

#### Full text of hazard classes and H-statements

H317 May cause an allergic skin reaction

H351 Suspected of causing cancer.

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Full text of hazard classes and H-statements	
H373	May cause 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

SDS US (GHS HazCom 2012) No CAS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.