

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 01/03/2021 Revision date: 19/12/2025 Supersedes version of: 17/04/2023 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture

Product name Durable DL110HW Type of product Photopolymer Other means of identification MAGDHWH05

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

#### Relevant identified uses

: Industrial use, Professional use Main use category

: For use in Photocentric Daylight Printers Use of the substance/mixture

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

Supplier Distributor Photocentric Ltd Photocentric Inc Titan House 855 N. 107th Ave 20 Titan Drive Suite A110

Peterborough, PE1 5XN, Cambridgeshire 85323 Avondale, Arizona, AZ

United Kingdom **United States** 

T +44 (0) 1733 349937 (UK Office hours only) T 006235813220 x1009 (USA Office hours only)

info@photocentric.co.uk, https://photocentricgroup.com/ customerservice@photocentricusa.com, https://photocentricgroup.com/

#### 1.4. Emergency telephone number

**Emergency number** +44 (0) 1733 349937 (UK Office hours only)

006235813220 x1009 (USA Office hours only)

UK Emergency Number: 999

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: Hazards identification**

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

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4 H302 Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 1 H318 Skin sensitisation, Category 1 H317 Reproductive toxicity, Category 1B H360 Specific target organ toxicity - Single exposure, Category 3, H335

Respiratory tract irritation

Hazardous to the aquatic environment - Chronic Hazard, H411

Category 2

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Harmful if swallowed. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

19/12/2025 (Revision date) EN (English) 1/18

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

Contains

: Danger

: Proprietary (Monomer); Proprietary (Photoinititor); Proprietary (Crosslinking agent);

Proprietary (Triacrylate); Tricyclodecane dimethanol Diacrylate

Hazard statements (CLP)

Precautionary statements (CLP)

: H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

H360 - May damage fertility or the unborn child. H411 - Toxic to aquatic life with long lasting effects.

P201 Obtain engoist instructions before use

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing fume, mist, spray, vapours.vapours, fume, spray.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, protective gloves.

P301+P312 - IF SWALLOWED: Call doctor if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P310 - Immediately call a doctor.

contact lenses, if present and easy to do. Continue rinsing.

P312 - Call doctor if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P330 - Rinse mouth.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

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

P405 - Store locked up.

P501 - Dispose of contents and container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

#### Component

PBT: not relevant - no registration required

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

19/12/2025 (Revision date) EN (English) 2/18

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### Component

Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

### **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

Name	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Proprietary (Diacrylate)	≥ 50 - < 70	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Proprietary (Monomer)	≥ 25 - < 50	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	
Proprietary (Triacrylate)	≥ 5 – < 15	Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411	
Proprietary (Diacrylate)	≥1-<3	Skin Sens. 1B, H317 Repr. 1B, H360D Aquatic Acute 1, H400	
Proprietary (Crosslinking agent)	≥ 0.1 – < 1	Eye Irrit. 2, H319 Skin Sens. 1, H317	
Proprietary (Photoinititor)	≥ 0.1 – < 1	Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
Proprietary (Photoinitiator)	≥ 0.1 – < 1	Flam. Sol. 1, H228 Repr. 2, H361f STOT RE 2, H373 Aquatic Chronic 2, H411	
Proprietary (Crosslinking agent)	< 1	Acute Tox. 4 (Oral), H302 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	
Proprietary (Dispersant)	≥ 0.1 – < 1	Acute Tox. 4 (Inhalation:dust,mist), H332	

Full text of H- and EUH-statements: see section 16

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor 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.

19/12/2025 (Revision date) EN (English) 3/18
19/12/2025 (Printing date)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : If swallowed, seek medical advice immediately and show this container or label. Remove

victim to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth out

with water. Call a POISON CENTER/doctor if you feel unwell.

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

Symptoms/effects : May be harmful in contact with skin. May be harmful if swallowed and enters airways.

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing). May cause

respiratory irritation.

Symptoms/effects after skin contact : May be harmful in contact with skin. Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Serious damage to eyes.

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

#### 4.3. Indication of any immediate medical attention and special treatment needed

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.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire, irritating fumes come free.

Explosion hazard : No direct explosion hazard.

Reactivity in case of fire : Corrosive vapours.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Precautionary measures fire : Evacuate area. Keep container closed when not in use. Keep cool. Protect from sunlight.

This product is not to be used under conditions of poor ventilation.

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.

In case of fire: stop leak if safe to do so. Exercise caution when fighting any chemical fire.

Prevent fire fighting water from entering the environment. Use water spray or fog for cooling

exposed containers.

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.

### **SECTION 6: Accidental release measures**

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

General measures : Avoid contact with skin and eyes. Evacuate area. Absorb spillage to prevent material

damage. Prevent from entering sewers, basements and workpits, or any place where its

accumulation can be dangerous.

#### For non-emergency personnel

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 mist, spray, vapours.

19/12/2025 (Revision date) EN (English) 4/18

19/12/2025 (Revision date)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use self-contained

breathing apparatus and chemically protective clothing. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal

protection".

Emergency procedures : Evacuate unnecessary personnel. Ventilate area. Prevent from entering sewers, basements

and workpits, or any place where its accumulation can be dangerous.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas.

#### 6.3. Methods and material 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.

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.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only outdoors or in a well-ventilated area. Avoid

breathing mist, spray, vapours. Avoid contact with skin and eyes.

Handling temperature : 10 - 50 °C

Hygiene measures : Wear personal protective equipment. Do not eat, drink or smoke when using this product.

Always wash hands after handling the product. Wash contaminated clothing before reuse.

Contaminated work clothing should not be allowed out of the workplace.

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

Technical measures : Ensure adequate ventilation, especially in confined areas. Store in a well-ventilated place.

Keep container tightly closed.

Storage conditions : Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. Keep cool. Store

locked up. Keep container tightly closed.

Incompatible materials : Direct sunlight.

Storage temperature : < 25 °C

Storage area : Store in a well-ventilated place. Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal. Store always product in container of same material as

original container.

#### 7.3. Specific end use(s)

The identified uses for this product are detailed in section 1.2.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

No additional information available

19/12/2025 (Revision date) EN (English) 5/18

19/12/2025 (Revision date)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 8.2. Exposure controls

#### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment. Safety glasses. Gloves.

#### Personal protective equipment symbol(s):







#### Eye and face protection

### Eye protection:

Safety glasses

#### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

#### Other skin protection

#### Materials for protective clothing:

Wear suitable protective clothing and gloves

### Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### **Environmental exposure controls**

#### **Environmental exposure controls:**

Avoid release to the environment.

#### Consumer exposure controls:

The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

### Other information:

Do not eat, drink or smoke when using this product.

#### **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid Colour white. Appearance : Liquid. Odour characteristic Odour threshold : Not available Melting point : Not applicable Freezing point : Not available Boiling point : Not available Flammability : Not applicable Lower explosion limit : Not available Upper explosion limit : Not available Flash point : Not available Auto-ignition temperature : Not available

19/12/2025 (Revision date) EN (English) 6/18 19/12/2025 (Printing date)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Decomposition temperature : Not available pH : Not available Viscosity, kinematic : Not available : Not available

Viscosity, dynamic : 410 (350 − 650) mPa·s 25°C

Solubility Not available Partition coefficient n-octanol/water (Log Kow) Not available Vapour pressure Not available Vapour pressure at 50°C Not available Density Not available Not available Relative density Relative vapour density at 20°C Not available Particle characteristics Not applicable

#### 9.2. Other information

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

May be corrosive to metals.

### 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. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Durable DL110HW			
ATE CLP (oral) 905.961 mg/kg bodyweight			
Proprietary (Diacrylate)			
LD50 oral rat > 2000 mg/kg			
Proprietary (Monomer)			
LD50 oral rat	300 – 2000 mg/kg bodyweight OECD Guideline 423		
LD50 dermal rat	> 2000 mg/kg bodyweight OECD Guideline 423		

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Proprietary (Photoinititor)			
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.1 (Acute Toxicity (Oral))		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: other:92/69/EEC		
Proprietary (Crosslinking agent)			
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))		
LD50 dermal rabbit	> 13200 mg/kg bodyweight Animal: rabbit		
Proprietary (Crosslinking agent)			
LD50 oral rat	1000 – 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)		
LC50 Inhalation - Rat	> 3.363 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)		
Proprietary (Photoinitiator)			
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: other:OECD GUIDELINE No.401 (CORRESPONDING TO 84/449/EEC, B.1)		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: other:OECD GUIDELINE No.402 (CORRESPONDING TO 84/449/EEC, B.3)		
Proprietary (Dispersant)			
LD50 oral rat	> 5000 ml/kg The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.		
LD50 dermal rat	not determined		
LC50 Inhalation - Rat	4 mg/l/4h		
Proprietary (Triacrylate)			
LD50 oral rat	No mortality/Rat: 2.000 mg/kg (Method: OECD Test Guideline 423)		
Proprietary (Diacrylate)			
LD50 oral rat	> 2000 mg/kg bodyweight 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 bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))		
Skin corrosion/irritation :	Causes skin irritation.		
Proprietary (Monomer)			
рН	7.5		
Proprietary (Triacrylate)			
рН	6 – 8		
Serious eye damage/irritation :	Causes serious eye damage.		
Proprietary (Monomer)			
рН	7.5		
Proprietary (Triacrylate)			
рН	6 – 8		
Respiratory or skin sensitisation :	May cause an allergic skin reaction.		

19/12/2025 (Revision date) EN (English) 8/18
19/12/2025 (Printing date)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Reproductive toxicity	: May damage fertility or the unborn child.		
Proprietary (Triacrylate)			
NOAEL (animal/male, F0/P)	50 mg/kg bodyweight NOAEL ( Parental toxicity ) (Method: OECD Test Guideline 422, Rat, By oral route)		
NOAEL (animal/female, F0/P)	> 200 mg/kg bodyweight NOAEL ( fertility) (Method: OECD Test Guideline 422, Rat, By oral route)		
NOAEL (animal/male, F1)	> 200 mg/kg bodyweight NOAEL (developmental toxicity) (Method: OECD Test Guideline 422, Rat, By oral route)		
STOT-single exposure	: May cause respiratory irritation.		
Proprietary (Monomer)			
STOT-single exposure	May cause respiratory irritation.		
STOT-repeated exposure	: Not classified		
Proprietary (Photoinititor)			
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: other:92/69/eec		
Proprietary (Crosslinking agent)			
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)		
Proprietary (Crosslinking agent)			
NOAEL (oral, rat, 90 days)	≥ 100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)		
STOT-repeated exposure	May cause damage to organs (digestive organs, circulatory organs) through prolonged or repeated exposure (if inhaled, if swallowed, in contact with skin).		
Proprietary (Photoinitiator)			
NOAEL (oral, rat, 90 days)	< 10.8 mg/kg bodyweight Animal: other:ALBINO RAT/Tif: RAIf (SPF) HYBRIDIS OF RII/1×RII/2, Guideline: other:EEC Directive, B.7		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.		
Proprietary (Triacrylate)			
LOAEL (oral, rat, 90 days)	100 mg/kg bodyweight/day Local Irritation (Method: OECD Test Guideline 422, Rat, 28 d)		
NOAEL (oral, rat, 28 days)	50 mg/kg bodyweight/day (Method: OECD Test Guideline 422, Rat, 28 d)		
Proprietary (Diacrylate)			
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight 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))		
Aspiration hazard	: Not classified		
Proprietary (Monomer)			
Viscosity, kinematic	4 mm²/s		
Proprietary (Dispersant)			
Viscosity, kinematic	50000 – 66666.667 mm²/s		
Proprietary (Triacrylate)			
Viscosity, kinematic	Not applicable		

19/12/2025 (Revision date) 19/12/2025 (Printing date)

EN (English)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 11.2. Information on other hazards

#### Other information

Potential adverse human health effects and

symptoms Other information : Harmful if swallowed, Harmful in contact with skin, Irritation: severely irritant to eyes, Irritation:

may cause irritation to the respiratory system

: Likely routes of exposure: ingestion, skin and eye.

### **SECTION 12: Ecological information**

### 12.1. Toxicity

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

: Not classified

Ecology - water : Harmful to aquatic life with long lasting effects.

 $\label{thm:local_equation} \mbox{Hazardous to the aquatic environment, short-term}$ 

(acute)

Hazardous to the aquatic environment, long-term

(chronic)

: Toxic to aquatic life with long lasting effects.

Proprietary (Monomer)		
LC50 - Fish [1]	120 mg/l Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, static)	
EC50 - Crustacea [1]	> 120 mg/l Daphnia magna (OECD Guideline 202, part 1, static)	
EC50 72h - Algae [1]	> 120 mg/l Pseudokirchneriella subcapitata (OECD Guideline 201, static)	
Proprietary (Photoinititor)		
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 (Crosslinking agent)		
LC50 - Fish [1]	1.95 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	70.7 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	2.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
Proprietary (Crosslinking agent)		
LC50 - Fish [1]	0.034 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	> 0.35 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	> 0.12 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
Proprietary (Photoinitiator)		
LC50 - Fish [1]	> 100 mg/l Test organisms (species): other:ZEBRA FISH	
EC50 - Other aquatic organisms [1]	2.15 mg/l Test organisms (species): other aquatic crustacea:DM	
Proprietary (Triacrylate)		
LC50 - Fish [1]	9.43 mg/l (Danio rerio (zebra fish)) 96h (Method: OECD Test Guideline 203)	
EC50 - Crustacea [1]	158.3 mg/l (Method: OECD Test Guideline 202)EC50, 48 h (Daphnia magna (Water flea))	
EC50 72h - Algae [1]	25.7 mg/l Pseudokirchneriella subcapitata (green algae) I (Method: OECD Test Guideline 201)	

19/12/2025 (Revision date) EN (English) 10/18 19/12/2025 (Printing date)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ErC50 algae	25.7 mg/l 72 h (Pseudokirchneriella subcapitata (green algae)) :(Method: OECD Test Guideline 201)
NOEC (chronic)	≥ 100 mg/l NOEC, 14 d (Activated sludge)(Respiration inhibition)
Proprietary (Diacrylate)	
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)

Durable DL110HW			
Persistence and degradability	Not rapidly degradable		
Proprietary (Diacrylate)			
Persistence and degradability	Not rapidly degradable		
Proprietary (Monomer)			
Persistence and degradability	Product is practically not biodegradable.		
Proprietary (Photoinititor)			
Persistence and degradability	Not rapidly degradable		
Proprietary (Crosslinking agent)			
Persistence and degradability	Not rapidly degradable		
Proprietary (Crosslinking agent)			
Persistence and degradability	Not rapidly degradable		
Proprietary (Photoinitiator)			
Persistence and degradability	Biodegradability in water: no data available.		
Proprietary (Dispersant)			
Persistence and degradability	Not rapidly degradable		
Proprietary (Triacrylate)			
Persistence and degradability	May cause long-term adverse effects in the environment.		
Biodegradation	14.5 – 19.7 % after 28 d (Method: OECD Test Guideline 301 F)		
Proprietary (Diacrylate)			
Persistence and degradability	Not rapidly degradable		

## 12.3. Bioaccumulative potential

Proprietary (Monomer)		
Partition coefficient n-octanol/water (Log Pow) 0.8		
Proprietary (Dispersant)		
Bioaccumulative potential	No bioaccumulation data available.	

9/12/2025 (Revision date) EN (English) 11/18

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Proprietary (Triacrylate)	
Partition coefficient n-octanol/water (Log Pow)	1.09 – 2.61 25 °C (OECD Test Guideline 117)

### 12.4. Mobility in soil

Proprietary (Dispersant)		
Mobility in soil	Assessment transport between environmental compartments:Volatility: No data available.	
Proprietary (Triacrylate)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.79 ( Method: calculated ) Absorption / desorption:	

#### 12.5. Results of PBT and vPvB assessment

#### Component

PBT: not relevant - no registration required

### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

Durable DL110HW	
Other information	Avoid release to the environment.

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Regional waste regulation

Waste treatment methods

Sewage disposal recommendations

Product/Packaging disposal recommendations

Additional information

Ecological waste information

- : Disposal must be done according to official regulations.
- Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Disposal must be done according to official regulations.
- Avoid release to the environment. Comply with applicable regulations for solid waste disposal. Dispose in a safe manner in accordance with local/national regulations.
- Clean up even minor leaks or spills if possible without unnecessary risk. Consult an expert on waste disposal or treatment.

: Avoid release to the environment.

### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID number					
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082	
14.2. UN proper shippin	14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tris(2- hydroxyethyl) Isocyanurate Triacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tris(2- hydroxyethyl) Isocyanurate Triacrylate)	Environmentally hazardous substance, liquid, n.o.s. (Tris(2-hydroxyethyl) Isocyanurate Triacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tris(2- hydroxyethyl) Isocyanurate Triacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tris(2- hydroxyethyl) Isocyanurate Triacrylate)	

19/12/2025 (Revision date) EN (English) 12/18 19/12/2025 (Printing date)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID	
Transport document description					
UN 3082	UN 3082	UN 3082 Environmentally	UN 3082	UN 3082	
ENVIRONMENTALLY	ENVIRONMENTALLY	hazardous substance,	ENVIRONMENTALLY	ENVIRONMENTALLY	
HAZARDOUS	HAZARDOUS	liquid, n.o.s. (Tris(2-	HAZARDOUS	HAZARDOUS	
SUBSTANCE, LIQUID,	SUBSTANCE, LIQUID,	hydroxyethyl) Isocyanurate	SUBSTANCE, LIQUID,	SUBSTANCE, LIQUID,	
N.O.S. (Tris(2-	N.O.S. (Tris(2-	Triacrylate), 9, III	N.O.S. (Tris(2-	N.O.S. (Tris(2-	
hydroxyethyl) Isocyanurate	hydroxyethyl) Isocyanurate		hydroxyethyl) Isocyanurate	hydroxyethyl) Isocyanurate	
Triacrylate), 9, III, (-)	Triacrylate), 9, III, MARINE POLLUTANT		Triacrylate), 9, III	Triacrylate), 9, III	
14.3. Transport hazard o	14.3. Transport hazard class(es)				
9	9	9	9	9	
***************************************	**************************************	**************************************	**************************************	**************************************	
14.4. Packing group					
III	III	III	III	III	
14.5. Environmental hazards					
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-A EmS-No. (Spillage): S-F	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	
No supplementary information available					

### 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5I Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions : TP1, TP29

(ADR)

Tank code (ADR) : LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Loading, unloading : CV13

and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90 3082

Tunnel restriction code (ADR) : -EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 969

19/12/2025 (Revision date) EN (English) 13/18
19/12/2025 (Printing date)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) LP01, P001 Special packing provisions (IMDG) PP1 IBC packing instructions (IMDG) IBC03 Tank instructions (IMDG) T4 Tank special provisions (IMDG) TP1, TP29 Stowage category (IMDG) : A

Air transport

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

Special provisions (IATA) : A97, A158, A197, A215

ERG code (IATA) : 9L

**Inland waterway transport** 

Classification code (ADN) : M6

Special provisions (ADN) : 274, 335, 375, 601

Limited quantities (ADN): 5 LExcepted quantities (ADN): E1Equipment required (ADN): PPNumber of blue cones/lights (ADN): 0

Rail transport

Classification code (RID) : M6

Special provisions (RID) : 274, 335, 375, 601

Limited quantities (RID) : 5L Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBV

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W12

Special provisions for carriage - Loading, unloading : CW13, CW31

and handling (RID)

Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

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

#### **EU-Regulations**

#### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

19/12/2025 (Revision date) EN (English) 14/18
19/12/2025 (Printing date)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### **Explosives Precursors Regulation (EU 2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### **National regulations**

#### Germany

VOC ordinance (ChemVOCFarbV)

**Employment restrictions** Observe restrictions according Act on the Protection of Working Mothers (MuSchG).

Observe restrictions according Act on the Protection of Young People in Employment

(JArbSchG)

WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1). Water hazard class (WGK)

Chemicals Prohibition Ordinance (ChemVerbotsV) This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must

be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the

shipping route (according to § 10).

Override matching entry (12. BlmSchV) : Is not subject to the Major Accidents Ordinance (12. BlmSchV)

#### **Netherlands**

SZW-liist van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen None of the components are listed SZW-lijst van reprotoxische stoffen – Borstvoeding None of the components are listed

SZW-lijst van reprotoxische stoffen -: PI-784 is listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen - Ontwikkeling : None of the components are listed

#### Denmark

**Danish National Regulations** : Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with

If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers. The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

19/12/2025 (Revision date) EN (English) 15/18 19/12/2025 (Printing date)

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### **Poland**

Polish National Regulations

: Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).

Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).

The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).

Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).

Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).

Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).

The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended). Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).

ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as ammended)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BLV	Biological limit value	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
EC-No.	European Community number	
EN	European Standard	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	

19/12/2025 (Revision date) EN (English) 16/18

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:		
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
WGK	Water Hazard Class	

Full text of H- and EUH-statements:		
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Sol. 1	Flammable solids, Category 1	
Repr. 1B	Reproductive toxicity, Category 1B	
Repr. 2	Reproductive toxicity, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1A	Skin sensitisation, category 1A	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	
H228	Flammable solid.	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:		
H335	May cause respiratory irritation.	
H360	May damage fertility or the unborn child.	
H360D	May damage the unborn child.	
H361f	Suspected of damaging fertility.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	

New SDS EU (REACH Annex II) Photocentric Amended NoCAS

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.