

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 04/01/2021 Revision date: 17/04/2023 Version: 2.2

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

#### 1.1. Product identifier

Product form	: Mixture
Trade name	: Durable UV80
Type of product	: Photocentric UV Resin
Other means of identification	: DLPDBBK01, DLPDBBK05, DLPDBBK500
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category Use of the substance/mixture : Industrial use,Professional use,Consumer use : For use in UV Printers

#### 1.2.2. Uses advised against

No additional information available

#### **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 - United Kingdom	85323 Avondale, Arizona - 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) 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
Specific target organ toxicity – Single exposure, Category 3,	H335
Respiratory tract irritation	
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412
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. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP)



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

	GHS05 GHS07		
Signal word (CLP)	: Danger		
Contains	: Proprietary (Monomer); Proprietary (Photoinititor)		
Hazard 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.		
	H412 - Harmful to aquatic life with long lasting effects.		
Precautionary statements (CLP)	: P261 - Avoid breathing fume, mist, spray, vapours.vapours, fume, spray.		
	P264 - Wash hands thoroughly after handling.		
	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		
	contact lenses, if present and easy to do. Continue rinsing.		
	P312 - Call doctor if you feel unwell.		
	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.		
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.		
	P501 - Dispose of contents and container to hazardous or special waste collection point, ir		
	accordance with local, regional, national and/or international regulation, a licensed		
	hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.		

#### 2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions. Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

#### 3.1. Substances

#### Not applicable

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 (Aliphatic urethane methacrylate)	≥3-<5	Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Proprietary (Photoinititor)	≥1-<3	Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Proprietary (Diacrylate)	≥ 0.1 – < 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

### Safety Data Sheet

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

#### **SECTION 4: First aid measures** 4.1. Description of first aid measures : Never give anything by mouth to an unconscious person. Call a poison center or a doctor if First-aid measures general you feel unwell. First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. 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. If skin irritation or rash occurs: Get medical advice/attention. 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. : If swallowed, seek medical advice immediately and show this container or label. Remove First-aid measures after ingestion victim to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects,	both acute and delayed
Symptoms/effects	: May be harmful if inhaled. May be harmful in contact with skin.
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. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause eye irritation.
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 Unsuitable extinguishing media	<ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>		
5.2. Special hazards arising from the substance or mixture			
Fire hazard Explosion hazard Reactivity in case of fire Hazardous decomposition products in case of fire	<ul> <li>In case of fire, corrosive gases come free. In case of fire and/or explosion do not breathe fumes.</li> <li>No data available on direct explosion hazard.</li> <li>Corrosive vapours.</li> <li>Toxic fumes may be released.</li> </ul>		
5.3. Advice for firefighters			
Precautionary measures fire Protection during firefighting Other information	<ul> <li>Keep away from combustible materials. Keep container closed when not in use. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> <li>High temperature decomposition products are harmful by inhalation.</li> </ul>		

SECTION 6: Accidental release me	easures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Avoid contact with skin and eyes. Clean up any spills as soon as possible, using an absorbent material to collect it. Do not handle until all safety precautions have been read and understood. Evacuate area.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear recommended personal protective equipment.

### Safety Data Sheet

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

Emergency procedures	: For further information refer to section 8: "Exposure controls/personal protection".
6.1.2. 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 contain	ment 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.
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	e
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	<ul> <li>Not expected to present a significant hazard under anticipated conditions of normal use.</li> <li>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 contact with skin and eyes.</li> </ul>
Handling temperature Hygiene measures	<ul> <li>10 – 50 °C</li> <li>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.</li> </ul>
7.2. Conditions for safe storage, inclu	uding any incompatibilities
Storage conditions Incompatible materials Storage temperature Storage area Packaging materials	<ul> <li>Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.</li> <li>Direct sunlight.</li> <li>10 - 50 °C</li> <li>Store away from heat. Store in a well-ventilated place.</li> <li>Do not store in corrodable metal. Store always product in container of same material as original container.</li> </ul>

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

SDS section 1.2.1 - Additional text.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Safety Data Sheet

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

#### Personal protective equipment:

Wear recommended personal protective equipment. Safety glasses. Gloves.

#### Materials for protective clothing:

#### Wear suitable protective clothing and gloves

#### Hand protection:

Protective gloves

Eye protection:		
Safety glasses		
Skin and body protection:		

#### Wear suitable protective clothing

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

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



#### 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
Appearance	: Liquid.
Colour	: Black.
Odour	: Characteristics.
Odour threshold	: No data available
рН	: No data available
pH solution	: ≈7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
-	

## Safety Data Sheet

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

Density	:	1.1 g/ml
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	363.636 mm²/s
Viscosity, dynamic	:	400 (300 – 500) mPa·s
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

#### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No additional information available

**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** 

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information		
Harmful if swallowed. Not classified Not classified		
826.537 mg/kg bodyweight		
Proprietary (Diacrylate) (52404-33-8)		
> 2000 mg/kg		
300 – 2000 mg/kg bodyweight OECD Guideline 423		

LD50 oral rat > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Ora	Proprietary (Aliphatic urethane me
Toxicity)	LD50 oral rat

> 2000 mg/kg bodyweight OECD Guideline 423

LD50 dermal rat

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

LD50 dermal rat	> 2000 mg/kg bw/day
LC50 Inhalation - Rat (Dust/Mist)	> 5 mg/l/4h

Proprietary (Photoinititor) (162881-26-7)	
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 (Diacrylate) (42594-17-2)		
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.	
Serious eye damage/irritation	: Causes serious eye damage.	
Respiratory or skin sensitisation	: May cause an allergic skin reaction.	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: May cause respiratory irritation.	
STOT-repeated exposure	: Not classified	

Proprietary (Photoinititor) (162881-26-7)	
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: other:92/69/eec

Proprietary (Diacrylate) (42594-17-2)		
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	
Durable UV80		
Viscosity, kinematic	363.636 mm²/s	
Potential adverse human health effects and symptoms Other information	<ul> <li>Harmful if swallowed. Harmful in contact with skin. Irritation: severely irritant to eyes.</li> <li>Irritation: may cause irritation to the respiratory system.</li> <li>Likely routes of exposure: ingestion, skin and eye.</li> </ul>	

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Harmful to aquatic life with long lasting effects.	
Ecology - water	: Harmful 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)	: Harmful to aquatic life with long lasting effects.	

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

#### Not rapidly degradable

Proprietary (Monomer) (3395-98-0)	
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 (Aliphatic urethane methacrylate) (72869-86-4)		
LC50 - Fish [1]	≥ 10.1 mg/l Zebra Fish (Brachydanio rerio)	
EC50 - Crustacea [1]	> 1200 μg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	> 0.68 mg/l	
NOEC chronic algae	0.21 mg/l Green Algae (Desmodesmus subspicatus)	

Proprietary (Photoinititor) (162881-26-7)	
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 (Diacrylate) (42594-17-2)	
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)

## 12.2. Persistence and degradability

Proprietary (Monomer) (3395-98-0)	
Persistence and degradability	Product is practically not biodegradable.

Proprietary (Aliphatic urethane methacrylate) (72869-86-4)	
Persistence and degradability	Not established.
Biodegradation	22 % CO2 Evolution: Modified Sturm (OECD 301B)
12.3. Bioaccumulative potential	

Proprietary (Monomer) (3395-98-0)	
Partition coefficient n-octanol/water (Log Pow)	0.8

Proprietary (Aliphatic urethane methacrylate) (72869-86-4)	
Partition coefficient n-octanol/water (Log Pow) 3.39	
Bioaccumulative potential	No bioaccumulation data available.
12.4. Mobility in soil	

No additional information available

17/04/2023 (Version: 2.2)

## Safety Data Sheet

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

12.5. Results of PBT and vPvB assessment	
Component	
Proprietary (Diacrylate) (52404-33-8)	PBT: not relevant – no registration required
Proprietary (Aliphatic urethane methacrylate) (72869- 86-4)	PBT: not relevant – no registration required
12.6. Other adverse effects	·

Additional information

: Avoid release to the environment.

SECTION 13: Disposal considerations	;
13.1. Waste treatment methods	
Waste treatment methods Sewage disposal recommendations Product/Packaging disposal recommendations	<ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Disposal must be done according to official regulations.</li> <li>Avoid release to the environment. Comply with applicable regulations for solid waste</li> </ul>
Additional information	<ul> <li>disposal. Dispose in a safe manner in accordance with local/national regulations.</li> <li>Clean up even minor leaks or spills if possible without unnecessary risk. Consult an expert</li> </ul>
Ecological information	<ul> <li>on waste disposal or treatment.</li> <li>Avoid release to the environment.</li> </ul>

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

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number	14.1. UN number			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping	14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group	14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

#### 14.6. Special precautions for user

Overland transport Not regulated Transport by sea Not regulated Air transport Not regulated Inland waterway transport Not regulated Rail transport Not regulated

Safety Data Sheet

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

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

#### Not applicable

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

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

#### 15.1.1. EU-Regulations

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

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

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

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### 15.1.2. National regulations

Germany	
Employment restrictions	<ul> <li>Observe restrictions according Act on the Protection of Working Mothers (MuSchG)</li> <li>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)</li> </ul>
Water hazard class (WGK)	: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject to the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
SZW-lijst 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 –	None of the components are 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

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
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration

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

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 (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
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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.
H335	May cause respiratory irritation.
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.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

SDS EU (REACH Annex II) Photocentric Amended

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.