

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: PHOTOCENTRIC 3D DAYLIGHT SUPERSAFE LABEL-FREE

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

1.3. Details of the supplier of the safety data sheet

Use of substance / mixture: PC30: Photo-chemicals for 3D printing.

Company name: Photocentric Ltd
Cambridge House
Oxney Road
Peterborough
Cambridgeshire
PE1 5YW
England

Tel: +44 (0) 1733 349937

Email: info@photocentric.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 1733 349937
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 3

Most important adverse effects: Harmful to aquatic organisms with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: none

Signal words: none

Precautionary statements: P273: Avoid release into the environment

P501: Dispose of contents and container in accordance to national legislation.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ACRYLATED OLIGOMER

EINECS	CAS	PBT / W EL	CLP Classification	Percent
-	Proprietary	-	Not classified	10-80%

ACRYLATED MONOMER

-	Proprietary	-	Not classified	10-80%
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PHOTOINITIATOR

-	Proprietary	-	Flam. Sol. 1: H228; Repr. 2: H361f; STOT RE 2: H373; Aquatic Chronic 2: H411	0.2-0.5%
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CO-INITIATOR

-	Proprietary	-	Acute Tox. 4: H302; Skin Sens. 1A: H317; Aquatic Chronic 1: H410; Aquatic Acute 410	0.05-0.070%
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CO-INITIATOR

-	Proprietary	-	Skin sens. 1 H317; Eye irrit. 2 H319.	0.5-0.70%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Treat symptomatically

Eye contact: Treat symptomatically

Ingestion: Treat symptomatically

Inhalation: Treat symptomatically

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

None expected

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

Unlikely to cause any damage, treat symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Heating may cause decomposition

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

8.2. Exposure controls

DNEL / PNEC No data available.

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Not normally required.

Hand protection: Not normally required.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Various colours

Odour: Characteristic odour

Evaporation rate: Negligible

Oxidising: No data available.

Solubility in water: No data available.

Also soluble in: Most organic solvents.

Viscosity: Viscous

Kinematic viscosity: 200-300cPs

Viscosity test method: Brookfield Spindle L2 @ 25 C

Boiling point/range°C: No data available.

Flammability limits %: lower: No data available.

Flash point°C: >93

Autoflammability°C: No data available.

pH: No data available.

Melting point/range°C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Relative density: No data available.

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Chemical stability: Stable under normal conditions.

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat

10.5. Incompatible materials

10.6. Hazardous decomposition products

Materials to avoid: Not known.

Haz. decomp. products: No hazardous combustion products known.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: not classified

Acute toxicity – skin contact: not classified

Acute toxicity - inhalation: not classified

Skin corrosion/irritation: not classified

Serious eye damage/irritation: not classified

Skin sensitization data: not classified

Respiratory sensitization data: not classified

Germ cell mutagenicity: not classified

Carcinogenicity: not classified

Reproductive toxicity: not classified

Lactation: not classified

STOT – single exposure: not classified

STOT – repeated exposure: not classified

Aspiration hazard: not classified

Other information

Section 12: Ecological information

12.1. Toxicity

Harmful to aquatic organisms with long lasting effects.

Toxicity – aquatic invertebrates: not known

Toxicity – fish: not known

Toxicity – algae: not known

Toxicity – sediment compartment: not classified.

Toxicity – terrestrial compartment: not classified

12.2. Persistence and degradability

Persistence and degradability: not known

12.3. Bioaccumulative potential

Bioaccumulative potential: not known

12.4. Mobility in soil

Mobility: not known

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: not known

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

SAFETY DATA SHEET

PHOTOCENTRIC 3D SKIN SAFE DAYLIGHT PRECISION FIRM

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Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H228: Flammable solid.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H361f: Suspected of damaging fertility.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.