SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Product name: 3D printer resin
Product code: LCD Resins

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Use in UV LCD 3D printers

1.3 Details of the supplier of the safety data sheet
Supplier: Photocentric Ltd
Cambridge House, Oxney Rd
Peterborough PE1 5YW
UNITED KINGDOM
Telephone: +44 (0)1733 349937
E-mail address: info@photocentric.co.uk
www.photocentricgroup.com

1.4 Emergency telephone number
+44 (0) 1733 349937 (office hours only)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification under CHIP:
Xi: R37; Sens.: R43; -: R52/53

Classification under CLP:
Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317

Most important adverse effects:
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2 Label elements

Label elements under CLP:
Hazard statements:
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.
H413: May cause long-lasting harmful effects to aquatic life

Signal words:
Warning

Hazard pictograms:
GHS07: Exclamation mark

Precautionary statements:

WARNING

P261: Avoid breathing dust / fumes / gas / mist / vapours / spray.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water/.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see instructions on this label).

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

SECTION 3:
COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous ingredients:

SECTION 4:

FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact:
There may be irritation and redness at the site of contact.

Eye contact:
There may be irritation and redness. The eyes may water profusely.

Ingestion:
There may be soreness and redness of the mouth and throat.

Inhalation:
There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects:
Immediate effects can be expected after short-term exposure.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:
There may be irritation and redness at the site of contact.

Eye contact:
There may be irritation and redness. The eyes may water profusely.

Ingestion:
There may be soreness and redness of the mouth and throat.

Inhalation:
There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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: In combustion emits toxic fumes.

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
Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

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
Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.
Hand protection: Protective gloves.
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
Odour: Characteristic odour
Evaporation rate: Negligible.
Oxidising: No data available.
Solubility in water: Slightly soluble
Also soluble in: Most organic solvents.
Viscosity: Low
Boilingpoint/range°C: >35
Melting point/range°C: No data available.
Flammability limits % lower: No data available.
Flammability limits %upper: No data available.
Flash point°C: >93
Part.coef. n-octanol/water: No data available.
Autoflammability°C: No data available.
Vapour pressure: No data available.
Relative density: No data available.
pH: Not applicable.
VOC g/l: Not applicable.
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
Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions
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
Materials to avoid: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products
Haz. decomp. products: In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Not Applicable

Symptoms / routes of exposure
Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

SECTION 12: ECOLOGICAL INFORMATION
Not applicable

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

14.1 UN number
UN number: Not applicable.

14.2 UN proper shipping name
Shipping name: Not applicable.

14.3 Transport hazard class(es)
Transport class: Not applicable.

14.4 Packing group
Packing group: Not applicable.

14.5 Environmental hazards
Environmentally hazardous: Not applicable.
Marine pollutant: No

14.6 Special precautions for user
Special precautions: No special precautions.

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

SECTION 16:
OTHER INFORMATION

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

H228: Flammable solid.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H361f: Suspected of damaging fertility.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.
H413: May cause long-lasting harmful effects to aquatic life

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.