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Revision No: 3

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** I-50HV**Product code:** I-50HV**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC30: Photo-chemicals.**1.3. Details of the supplier of the safety data sheet****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 CHIP:** Sens.: R43; -: R52/53**Classification under CLP:** Eye Irrit. 2: H319; Skin Sens. 1A: H317**Most important adverse effects:** May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**2.2. Label elements****Label elements under CLP:****Hazard statements:** H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Signal words: Warning**Hazard pictograms:** GHS07: Exclamation mark

Precautionary statements: P264: Wash soap and water thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves.
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).
P337+313: If eye irritation persists: Get medical advice/attention.

Label elements under CHIP:

Hazard symbols: Irritant.



Risk phrases: R43: May cause sensitisation by skin contact.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S24: Avoid contact with skin.
S37: Wear suitable gloves.

Precautionary phrases: Contains derivative of piperidine. May produce an allergic reaction.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Composition / Information on Ingredients:

DIMETHACRYLATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
Proprietary	Proprietary	Proprietary	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%

METHACRYLATE

Proprietary	Proprietary	Proprietary	Skin Sens. 1: H317; Eye Irrit. 2: H319	1-10%
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WAX ADDITIVE

Proprietary	Proprietary	Proprietary	Eye Irrit. 2: H319	1-10%
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TRIMETHACRYLATE

Proprietary	Proprietary	Proprietary	Aquatic Chronic 4: H413	1-10%
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DERIVATIVE OF PIPERIDINE - REACH registered number(s): 01-2119491304-40-0000

Proprietary	Proprietary	Proprietary	Skin Sens. 1A: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

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

Immediate / special treatment: Not applicable.

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

DNEL / PNEC No data available.

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: Impermeable gloves.

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

Skin protection: Impermeable 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: No data available.

Oxidising: No data available.

Solubility in water: Soluble

Also soluble in: Acetone.

Viscosity: Viscous

Kinematic viscosity: ~20000 cPs

Boiling point/range°C: >35

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: >93

Part.coeff. 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: 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

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

No hazardous decomposition products known

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant effects for mixture:

Effect	Route	Basis
Sensitisation	DRM	Hazardous: calculated

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. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

Section 12: Ecological information
12.1. Toxicity
Information on toxicological effects
HYDROXYPROPYL METHACRYLATE

FISH	96H LC50	>100	mg/l
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12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

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: Toxic to aquatic organisms. Toxic to soil organisms.

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: See category 14.2

14.2. UN proper shipping name

Shipping name: NOT DANGEROUS GOODS

14.3. Transport hazard class(es)

Transport class: See category 14.2

14.4. Packing group

Packing group: See category 14.2

14.5. Environmental hazards

Environmentally hazardous: NOT CLASIFIED AS DANGEROUS GOODS

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
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: H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H413: May cause long lasting harmful effects to aquatic life.

R36/38: Irritating to eyes and skin.

R36: Irritating to eyes.

R38: Irritating to skin.

R43: May cause sensitisation by skin contact.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legend to abbreviations: PNEC = predicted no effect level DNEL = derived no effect level LD50 = median lethal dose
LC50 = median lethal concentration EC50 = median effective concentration IC50 = median inhibitory concentration dw = dry weight
bw = body weight cc = closed cup oc = open cup MUS = mouse
GPG = guinea pig
RBT = rabbit HAM = hamster HMN = human MAM = mammal PGN = pigeon
IVN = intravenous SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular
PCP = physico-chemical properties

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.