

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

1.1. Product identifier

Product name: OPTIMAL MONOMER

Product code: HDPRO-OM02

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

Use of substance / mixture: For professional use only. To be mixed with appropriate acrylic polymer in the making of artificial nail enhancements. PC39: Cosmetics, personal care products.

1.3. Details of the supplier of the safety data sheet

Company name: Hazel Dixon Nails Ltd

Unit 4, Faraday Place, Thetford, Norfolk, IP24 3RG

Tel: 44 7494 470 168

Email: hazeldixonnails@yahoo.co.uk

1.4. Emergency telephone number

Emergency Tel: +31 (0) 40 -2307559 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: STOT SE 3: H335; Eye Irrit. 2: H319; Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects: Highly flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.

2.2. Label elements

Label elements:

Hazard statements: H225: Highly flammable liquid and vapor.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

[cont...]

SAFETY DATA SHEET
HD PROFESSIONAL NAIL SYSTEMS
OPTIMAL MONOMER

Page: 2

Signal words: Danger

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion-proof electrical/ventilating/lighting/.equipment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water/.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ETHYL METHACRYLATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
202-597-5	97-63-2	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317	>75%

HYDROXY PROPYL METHACRYLATE

248-666-3	27813-02-1	-	Eye Irrit. 2: H319; Skin Sens. 1: H317	10-25%
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GLYCEROL DIMETHACRYLATE

-	1830-78-0	-	STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-5%
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TETRA ETHYLENE GLYCOL DIMETHACRYLATE

-	109-17-1	-	-	1-5%
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SAFETY DATA SHEET
 HD PROFESSIONAL NAIL SYSTEMS
 OPTIMAL MONOMER

Page: 3

N,N-DIMETHYL-P-TOLUIDINE - REACH registered number(s): 01-2119956633-31-0000

202-805-4	99-97-8	-	Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Aquatic Chronic 3: H412	1-5%
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Non-classified ingredients:

HYDROQUINONE MONOMETHYL ETHER

EINECS	CAS	CHIP Classification	CLP Classification	Percent
205-769-8	150-76-5	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Sens. 1: H317	<0.1%

2-HYDROXYETHYL ACRYLATE

212-454-9	818-61-1	-	Acute Tox. 3: H311; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Acute 1: H400	<0.1%
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Contains: See full INCI listing available for individual shades

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

Section 5: Fire-fighting measures

Immediate / special treatment: Not applicable.

[cont...]

SAFETY DATA SHEET
HD PROFESSIONAL NAIL SYSTEMS
OPTIMAL MONOMER

Page: 4

5.1. Extinguishing media

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapor mixture. Vapor may travel considerable distance to source of ignition and flash back.

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 unauthorized personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

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, labeled salvage container for disposal by an appropriate method. Do not use equipment in cleanup procedure which may produce sparks.

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. Smoking is forbidden. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

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SAFETY DATA SHEET
HD PROFESSIONAL NAIL SYSTEMS
OPTIMAL MONOMER

Page: 5

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ETHYL METHACRYLATE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	250 mg/m ³	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

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: Fast

Solubility in water: Slightly soluble

Viscosity: Non-viscous

Boiling point/range°C: 200

Flash point°C: 16.0

Vapour pressure: 26.2mm Hg at 23c

Relative density: 0.964

9.2. Other information

Section 10: Stability and reactivity

10.1. Reactivity

Other information: No data available.

Reactivity: Stable under recommended transport or storage conditions.

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SAFETY DATA SHEET
 HD PROFESSIONAL NAIL SYSTEMS
 OPTIMAL MONOMER

Page: 6

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

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

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames. Direct sunlight.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ETHYL METHACRYLATE

IPR	RAT	LD50	1223	mg/kg
ORL	MUS	LD50	7836	mg/kg
ORL	RAT	LD50	14800	mg/kg

HYDROXY PROPYL METHACRYLATE

ORL	RAT	LD50	11600	mg/kg
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GLYCEROL DIMETHACRYLATE

ORAL	RAT	OECD423	>2000	mg/kg
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N,N-DIMETHYL-P-TOLUIDINE

IPR	MUS	LD50	212	mg/kg
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Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

[cont...]

SAFETY DATA SHEET
HD PROFESSIONAL NAIL SYSTEMS
OPTIMAL MONOMER

Page: 7

STOT-single exposure	INH	Hazardous: calculated
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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

Hazardous ingredients:

HYDROXY PROPYL METHACRYLATE

GOLDEN IDE	48H EC50	493	mg/l
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GLYCEROL DIMETHACRYLATE

FISH	96H LC50	43.2	mg/l
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N,N-DIMETHYL-P-TOLUIDINE

Daphnia magna	48H LC50	15.259	mg/l
Fish Pimephales promelas	96H LC50	46	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Mobility: Readily absorbed into soil.

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

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Other adverse effects: Negligible ecotoxicity.

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

[cont...]

SAFETY DATA SHEET
HD PROFESSIONAL NAIL SYSTEMS
OPTIMAL MONOMER

Page: 8

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: UN1993

14.2. UN proper shipping name

Shipping name: FLAMMABLE LIQUID, N.O.S.
(ETHYL METHACRYLATE MONOMER; HYDROXY PROPYL METHACRYLATE)

14.3. Transport hazard class(es)

14.4. Packing group

Transport class: 3

Packing group: II

14.5. Environmental hazards

14.6. Special precautions for user

Environmentally hazardous: No

Marine pollutant: No

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.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.

[cont...]

SAFETY DATA SHEET
HD PROFESSIONAL NAIL SYSTEMS
OPTIMAL MONOMER

Page: 9

H335: May cause respiratory irritation.

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>.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

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