

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** Zylock[®] PL020**Product code:** PL020**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC1: Adhesives, sealants.**1.3. Details of the supplier of the safety data sheet****Company name:** Fenco Group Ltd
18 Crofton Drive
Allenby Industrial Estate
Lincoln LN3 4NR
England**Tel:** +44(0)1522 78 79 78**Fax:** +44(0)1522 78 78 38**Email:** sales@fencogroup.com**Technical Enquiries:** sales@zylock.com**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CHIP:** Xi: R36/37; Sens.: R43**Classification under CLP:** Skin Irrit. 2: H315; Skin Sens. 1: H317**Most important adverse effects:** Irritating to eyes and respiratory system. May cause sensitisation by skin contact.**2.2. Label elements****Label elements under CLP:****Hazard statements:** H315: Causes skin irritation.
H317: May cause an allergic skin reaction.**Signal words:** Warning**Hazard pictograms:** GHS07: Exclamation mark**Precautionary statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

[cont...]

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P264: Wash hands thoroughly after handling.
 P302+352: IF ON SKIN: Wash with plenty of soap and water.
 P333+313: If skin irritation or rash occurs: Get medical advice/attention.

Label elements under CHIP:

Hazard symbols: Irritant.



Risk phrases: R36/37: Irritating to eyes and respiratory system.
 R43: May cause sensitisation by skin contact.

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

Precautionary phrases: Contains 2-Hydroxyethyl methacrylate. 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

Hazardous ingredients:

2-HYDROXYETHYL METHACRYLATE - REACH registered number(s): 01-2119490169-29-0000				
EINECS	CAS	CHIP Classification	CLP Classification	Percent
212-782-2	868-77-9	Xi: R36/38; Sens.: R43	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317	1-10%
4-TERT-BUTYLCYCLOHEXYL METHACRYLATE				
256-277-5	46729-07-1	Xi: R36/37/38	STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
ISOBUTYL METHACRYLATE - REACH registered number(s): 01-2119488331-38-0000				
202-613-0	97-86-9	-: R10; Xi: R36/37/38; Sens.: R43; N: R50	Flam. Liq. 3: H226; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400	1-10%
CUMENE HYDROPEROXIDE				
201-254-7	80-15-9	O: R7; Xn: R21/22; T: R23; C: R34; Xn: R48/20/22; N: R51/53	Org. Perox. EF: H242; Acute Tox. 3: H331; Acute Tox. 4: H312; Acute Tox. 4: H302; STOT RE 2: H373; Skin Corr. 1B: H314	<1%

[cont...]

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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. Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Wash out mouth with water. 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.
- 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.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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.

[cont...]

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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.

7.3. Specific end use(s)

Specific end use(s): PC1: Adhesives, sealants.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ISOBUTYL METHACRYLATE				
Workplace exposure limits:			Respirable dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	300 mg/m ³	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

[cont...]

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8.2. Exposure controls

- Engineering measures:** Ensure there is sufficient ventilation of the area.
- 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	Flash point°C:	No data available.
Colour:	Brown	Autoflammability°C:	No data available
Odour:	Sweet-smelling	Relative density:	1.032
Evaporation rate:	No data available.	VOC g/l:	91
Oxidising:	No data available.	Melting point/range°C:	No data available.
Solubility in water:	No data available.	upper:	No data available.
Viscosity:	Viscous	Part. coeff. n-octanol/water:	No data available.
Boiling point/range°C:	No data available.	Vapour pressure:	No data available.
Flammability limits %: lower:	No data available.	pH:	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.

[cont...]

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10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

2-HYDROXYETHYL METHACRYLATE				
DERMAL	RBT	LD50	>3000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg
4-TERT-BUTYLCYCLOHEXYL METHACRYLATE				
ORAL	RAT	LD50	>2000	mg/kg
ISOBUTYL METHACRYLATE				
GASES	MUS	LD50	29.7	mg/l
ORAL	RAT	LD50	>5000	mg/kg
CUMENE HYDROPEROXIDE				
ORL	MUS	LDLO	5	gm/kg
ORL	RAT	LD50	382	mg/kg
SCU	RAT	LD50	382	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT INH	Hazardous: calculated
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.

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.

[cont...]

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

2-HYDROXYETHYL METHACRYLATE			
DAPHNIA MAGNA	48H EC50	380	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H EC50	836	mg/l
ORYZLAS LATIPES	96H LC50	>100	mg/l
PSEUDOMONAS FLUORESCENS	16H EC50	>3000	mg/l
ISOBUTYL METHACRYLATE			
Daphnia magna	48H EC50	>29	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H IC50	16	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	20	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

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: Negligible ecotoxicity.

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.

[cont...]

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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****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**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.

ABBREVIATIONS

ORL - Oral

DRM - Dermal

INH - Inhalation

MUS - Mouse

RBT - Rabbit

SCU - Subcutaneous

OPT - Ophthalmic

VOC - Volatile Organic Content

PBT - Persistent Bioaccumulative Toxic

STP - Sewage Treatment Plant

LC50 - Lethal Concentration 50%

LD50 - Lethal Dose 50%

PNEC - Predicted No Effect Concentration

DNEL - Derived No Effect Level

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.

H242: Heating may cause a fire.

H302: Harmful if swallowed.

H312: Harmful 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.

H335: May cause respiratory irritation.

[cont...]

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.

R7: May cause fire.

R10: Flammable.

R21/22: Harmful in contact with skin and if swallowed.

R23: Toxic by inhalation.

R34: Causes burns.

R36/37/38: Irritating to eyes, respiratory system and skin.

R36/37: Irritating to eyes and respiratory system.

R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R50: Very toxic to aquatic organisms.

R51/53: Toxic 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/corneal

PCP = physico-chemical properties

Legal disclaimer: This company shall not be held liable for any damage resulting from handling or from contact with the above product.

[final page]