

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** Zylock[®] PL050 POWERCAN**Product code:** PL050 PC**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC1: Adhesives, sealants. Powercan**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**1.4. Emergency telephone number****Emergency tel:** +44(0)1522 78 79 78**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Skin Irrit. 2: H315; Eye Irrit. 2: H319; -: H229**Classification under CHIP:** This product has no classification under CHIP.**2.2. Label elements****Label elements under CLP:****Hazard statements:** H229: Pressurised container: May burst if heated
H315: Causes skin irritation.
H319: Causes serious eye irritation.**Signal words:** Warning**Hazard pictograms:** GHS07: Exclamation mark

[cont...]

ZYLOCK[®] The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Zylock[®] and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.

Precautionary statements: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251: Pressurized container: Do not pierce or burn, even after use.
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 soap and 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.
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Label elements under CHIP:

Hazard symbols: No significant hazard.
Safety phrases: S24/25: Avoid contact with skin and eyes.
S37/39: Wear suitable gloves and eye / face protection.

2.3. Other hazards

Other hazards: Pressurised container: May burst if heated. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Contact with moisture during curing process may produce acetic acid vapours.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

1,1,1,2-TETRAFLUOROETHANE				
EINECS	CAS	CHIP Classification	CLP Classification	Percent
212-377-0	811-97-2	Substance with a Community workplace exposure limit.	-	1-10%
ETHYLTRIACETOXYSILANE				
241-677-4	17689-77-9	-: R14; Xn: R22; C: R34	Skin Corr. 1B: H314; Acute Tox. 4: H302; -: EUH014	1-10%
METHYLTRIACETOXYSILANE				
224-221-9	4253-34-3	-: R14; Xn: R22; C: R34	Skin Corr. 1B: H314; Acute Tox. 4: H302; -: EUH014	1-10%

[cont...]

ZYLOCK® The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Zylock® and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.

Section 4: First aid measures**4.1. Description of first aid measures**

- Skin contact:** Wash immediately with plenty of soap and water. Prolonged or repeated contact with uncured sealant may cause skin irritation.
- Eye contact:** Bathe the eye with running water for 15 minutes. Vapours may irritate eyes. Contact with eyes will cause irritation.
- Ingestion:** Wash out mouth with water.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor. Acetic acid produced during cure may irritate eyes, nose and throat. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors.

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

- Skin contact:** There may be mild irritation at the site of contact.
- Eye contact:** There may be irritation and redness.
- 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. Drowsiness or mental confusion may occur.
- 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.

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. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust. If outside keep bystanders upwind and away from danger point.

[cont...]

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: 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: Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.
Suitable packaging: Must only be kept in original packaging.

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:

1,1,1,2-TETRAFLUOROETHANE

Workplace exposure limits:			Respirable dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1000	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

[cont...]

ZYLOCK® The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Zylock® and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.

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. Respiratory protective device with particle filter.
- 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:** Paste
- Colour:** Black
- Odour:** Acetic acid
- Viscosity:** Highly viscous
- Relative density:** 1.01

9.2. Other information

- Other information:** pressurised container containing inert gas

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.

[cont...]

ZYLOCK[®] The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Zylock[®] and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

METHYLTRIAACETOXSILANE					
ORL	RAT	LD50	1540		mg/kg
SKN	RBT	LD50	794		NI/kg

Toxicity values: No data available.

Symptoms / routes of exposure

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

Eye contact: There may be irritation and redness.

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. Drowsiness or mental confusion may occur.

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

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

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.

[cont...]

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: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2

14.4. Packing group**14.5. Environmental hazards**

Environmentally hazardous: No **Marine pollutant:** No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

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.

[cont...]

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: EUH014: Reacts violently with water.
H229: Pressurised container: May burst if heated
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
R14: Reacts violently with water.
R22: Harmful if swallowed.
R34: Causes burns.

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]