

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

1.1 Product Identifier

Product Name: Zylock® PL041 Pipe Sealant
Product code: PL041

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

Zylock is a brand of Fenco Group Ltd

Company name: Fenco Group Ltd
18 Crofton Drive
Allenby Industrial Estate
Lincoln
LN3 4NR
UK

Tel: 0044 1522 787978

Fax: 0044 1522 787838

Email: technical.supportuk@Zylock.com

1.4. Emergency telephone number

CHEMTEL Tel: 813-248-0573 (International)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xi: R36

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Irritating to eyes.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



Precautionary statements: P264: Wash hands thoroughly after handling.

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.

P337+313: If eye irritation persists: Get medical advice/attention.

Label elements under CHIP:

Hazard symbols: Irritant.



Risk phrases: R36: Irritating to eyes.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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:

MUSCOVITE MINERAL

| EINECS | CAS | CHIP Classification | CLP Classification | Percent |
|--------|------------|--|--------------------|---------|
| - | 12001-26-2 | Substance with a Community workplace exposure limit. | - | 10-30% |

OCTANOL

| | | | | |
|-----------|----------|------------|---|-------|
| 203-917-6 | 111-87-5 | Xi: R36/38 | Eye Irrit. 2: H319; Aquatic Chronic 3: H412 | 1-10% |
|-----------|----------|------------|---|-------|

AMORPHOUS SILICA

| | | | | |
|-----------|-----------|--|---|-------|
| 231-545-4 | 7631-86-9 | Substance with a Community workplace exposure limit. | - | 1-10% |
|-----------|-----------|--|---|-------|

ETHYLENE GLYCOL

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|-----------|----------|---------|--------------------|-------|
| 203-473-3 | 107-21-1 | Xn: R22 | Acute Tox. 4: H302 | 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% |
|-----------|---------|---|--|-----|

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. Transfer to hospital for specialist examination.

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:

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

Ingestion: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Inhalation: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Delayed / immediate effects: There may be irritation of the throat with a feeling of tightness in the chest.

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: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

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.

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.
Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a 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:

MUSCOVITE MINERAL

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| UK | - | - | 4.0mg/m3 | - |

AMORPHOUS SILICA

| | | | | |
|----|---|---|-----------|---|
| UK | - | - | 2.4 mg/m3 | - |
|----|---|---|-----------|---|

ETHYLENE GLYCOL

| | | | | |
|----|---------|----------|---|---|
| UK | 52mg/m3 | 104mg/m3 | - | - |
|----|---------|----------|---|---|

| |
|-------------------------|
| DNEL/PNEC Values |
|-------------------------|

DNEL / PNEC No data available.

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: Tightly fitting safety goggles. 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:** White**Odour:** Sweet-smelling**Viscosity:** Viscous**Relative density:** 1.019**VOC g/l:** 83.5**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

Hazardous ingredients:

OCTANOL

| | | | | |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >2000 | mg/kg |
| ORAL | MUS | LD50 | 1790 | mg/kg |
| ORAL | RAT | LD50 | 3200 | mg/kg |

AMORPHOUS SILICA

| | | | | |
|--------|-----|------|-------|-------|
| DERMAL | RAT | LD50 | >2000 | mg/kg |
|--------|-----|------|-------|-------|

| | | | | |
|------|-----|------|-------|-------|
| ORAL | RAT | LD50 | >1000 | mg/kg |
|------|-----|------|-------|-------|

ETHYLENE GLYCOL

| | | | | |
|---------|-----|---------|-------|-------|
| DERMAL | RBT | LD50 | 10626 | mg/kg |
| ORAL | RAT | LD50 | 4700 | mg/kg |
| VAPOURS | RAT | 6H LC50 | >2.5 | mg/l |

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 | Hazardous: calculated |

Symptoms / routes of exposure

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

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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:

OCTANOL

| | | | |
|-------------------------|----------|------|------|
| DAPHNIA MAGNA | 24H EC50 | 20 | mg/l |
| FATHEAD MINNOW | 96H LC50 | 13.3 | mg/l |
| Scenedesmus Subspicatus | 48H EC50 | 6.8 | mg/l |

ETHYLENE GLYCOL

| | | | |
|-------------------------------------|----------|-------|------|
| DAPHNIA MAGNA | 48H LC50 | 41000 | mg/l |
| GOLDEN ORFE (Leuciscus idus) | 48H LC50 | 10000 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | 18500 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bio-accumulative 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.

Section 14: Transport information

13.1 Waste treatment methods

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

16.1 Other Info

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

PBT - Persistent Bioaccumulative Toxic

VOC - Volatile Organic Content

DNEL - Derived No Effect Level

ORL - Oral

DRM – Dermal

MUS - Mouse

RBT - Rabbit

OPT - Ophthalmic

SCU - Subcutaneous

PNEC - Predicted No Effect Concentration

LD50 - Lethal Dose 50%

LC50 - Lethal Concentration 50%

STP - Sewage Treatment Plant

Phrases used in s.2 and s.3: H242: Heating may cause a fire.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage. H319: Causes serious eye irritation.

H331: Toxic if inhaled.

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>.

H412: Harmful to aquatic life with long lasting effects. R7: May cause fire.

R21/22: Harmful in contact with skin and if swallowed. R22: Harmful if swallowed.

R23: Toxic by inhalation. R34: Causes burns.

R36/38: Irritating to eyes and skin. R36: Irritating to eyes.

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

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

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