# SAFETY DATA SHEET

## Section 1. Identification

**GHS product identifier** : **PROTECT - NATURAL LOOK SEALER**
**Product type** : Liquid

**Relevant identified uses of the substance or mixture and uses advised against:** **not applicable**

**Supplier / Manufacturer** : Concrete Protection Pty Ltd
155 Barkly Avenue
Burnley, Victoria. 3121
Australia
**Telephone no.** : + 61 3 9429 3377
**Email** : info@conpro.com.au
**Emergency telephone no.** : + 61 13 11 26

## Section 2. Hazards Identification

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS – Category 3
SKIN CORROSION / IRRITATION – Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation and Narcotic effects) – Category 3
LONG-TERM AQUATIC HAZARD – Category 2

**GHS Label elements**
**Hazard pictograms** :

**Signal word** : Warning
**Hazard statements** : Flammable liquid and vapour
Causes skin irritation
May cause respiratory irritation
May cause drowsiness or dizziness
Toxic to aquatic life with long lasting effects

**Precautionary Statements**
**General** : Read label before use. Keep out of reach of children.
If medical advice is needed, have product container or label at hand.

| | | |
|---|---|---|
| **Prevention** | : | Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in well-ventilated area. Avoid release to the environment. Avoid breathing vapour. Wash hands thoroughly after handling. |
| **Response** | : | Collect spillage. IF INHALED: Remove person to fresh air. Keep person comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. |
| **Storage** | : | Store locked up. Store in a well-ventilated place. Keep cool. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. |
| **Disposal** | : | Dispose of contents and container. Disposal in accordance with local, regional, national and international regulations. |
| **Other hazards which do not result in classification** | : | None known |

## Section 3. Composition / information on ingredients

| | | |
|---|---|---|
| **Substance / mixture** | : | Mixture |
| **Other means of identification:** | | Not available |

**CAS number / other identifiers**

| | | |
|---|---|---|
| **CAS number** | : | Not applicable |
| **EC number** | : | Mixture |
| **Product Code** | : | 000000 |

| Ingredient name | % | CAS number |
|---|---|---|
| Solvent 100 | <40% | 64742-95-6 |
| n-Butyl | <00% | 123-86-4 |
| Zonyl / Foraperie 225 copolymer | <25% | - |
| Xylene | <35% | 1330-20-7 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
Occupational exposure limits, if available, are listed in section 8.

## Section 4. First-aid measures

### Description of necessary first aid measures

**Eye contact** : Immediate flush eyes with plenty of water.
Occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air.
Keep victim at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrests occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison centre or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact** : Flush contaminated skin with plenty of water.
Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** : Wash out mouth with water. Remove dentures if any.
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter lungs. Get medical attention. If necessary, call a poison centre or physician. Never give anything by mouth to an unconscious person. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

### Most important symptoms / effects, acute and delayed

### Potential acute health effects

**Eye contact** : Causes serious eye irritation

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

**Skin Contact** : Causes skin irritation

**Ingestion** : Can cause central nervous system (CNS) depression. Irritation to mouth, throat and stomach

## Over-exposed signs / symptoms

**Eye contact** : Adverse symptoms may include the following:

- Pain or irritation
- Watering
- redness

**Inhalation** : Adverse symptoms may include the following:

- respiratory tract irritation
- coughing
- nausea or vomiting
- headache
- drowsiness / fatigue
- dizziness / vertigo
- unconsciousness

**Skin Contact** : Adverse symptoms may include the following:

- irritation
- redness

**Ingestion** : No specific data

## Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

**Specific treatments** : No specific treatment

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media:** Use dry chemical, $CO_2$, water spray (fog) or foam

**Unsuitable extinguishing media:** Do not use water jet

**Specific hazards arising from the chemical :** Flammable liquid vapour.
In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour / gas is heavier than air and will spread along the ground. Vapour may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products :** Decomposition products may include the following materials:

- Carbon dioxide
- Carbon monoxide

**Special protective actions for fire-fighters :** Promptly isolate the scene.
Remove all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from the area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters :** Fire-fighters should wear appropriate protective equipment. Self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel :** No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

**For emergency responders :** If specialised clothing is required to deal with the spillage. Take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel”

**Environmental precautions :** Avoid dispersal of spilt material and runoff.
Contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

## Methods and materials for containment and cleaning up

**Small spill :** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill :** Stop leak if without risk.
Move containers from spill area. Use spark=proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and Storage

## Precautions for safe handling

**Protective measures :** Put on appropriate personal protective equipment (Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved

alternative made from compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers with retained product residue or could be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited. Specifically in areas where this material is handled, stored or processed. Workers should wash hands and face before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe Storage, including any Incompatibilities** : Store in accordance with local regulations.
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls / personal protection

**Control parameters**

**Occupational exposure limits:**

xylene

Safe Work Australia (Australia 4/2013)
STEL: 655 mg/m3 15 minutes
STEL: 150 ppm 15 minutes
TWA: 350mg/m3 8 hours
TWA: 80ppm 8 hours

Ethylbenzene

Safe Work Australia (Australia 4/2013)
STEL: 543 mg/m3 15 minutes
STEL: 125 ppm 15 minutes
TWA: 434mg/m3 8 hours
TWA: 100ppm 8 hours

**Appropriate engineering controls** : Use only with adequate ventilation.
Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers. Filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, drinking, smoking and using the lavatory and at the end of the working period.
Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye / face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection timeof the gloves cannot be accurately estimated.

| | | |
|---|---|---|
| **Body protection** | : | Personal protective equipment for the body should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. |
| **Other skin protection** | : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| **Respiratory protection** | : | Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |

## Section 9. Physical and Chemical properties

**Appearance**

| | | |
|---|---|---|
| **Physical state** | : | Liquid |
| **Colour** | : | Clear. |
| **Odour** | : | Characteristic |
| **Odour threshold** | : | Not available |
| **pH** | : | Not available |
| **Melting point** | : | Not available |
| **Boiling point** | : | >155-175$^{o}$C |
| **Flash Point** | : | Closed cup: 23 to 42$^{o}$C |
| **Burning time** | : | Not applicable |
| **Burning rate** | : | Not applicable |
| **Evaporation rate** | : | Not available |
| **Flammability (solid, gas)** | : | Not available |
| **Lower and upper explosive (Flammable) limits** | : | Lower: 0.9%  Upper: <13% |
| **Vapour pressure** | : | Not applicable |
| **Vapour density** | : | >1 [Air = 1] |
| **Density** | : | - 0.93 g/cm$^{3}$ (20$^{o}$ C) |
| **Solubility** | : | Insoluble in the following materials:  water |
| **Solubility in water** | : | Not available |

**Partition coefficient;**
**n- octanol / water** : Not available
**Auto-ignition temperature** : 280 to 470°C
**Decomposition temperature:** Not available
**SADT** : Not available
**Viscosity** : Not available

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available

**Chemical stability** : The product is stable

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur

**Conditions to avoid** : Avoid all possible sources of ignition (Spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

**Incompatible materials** : Reactive or incompatible with the following materials: Oxidizing materials

**Hazardous decomposition Products'** : Under normal conditions of storage and use, hazardous decomposition should not be produced.

## Section 11. Toxicological information

**Information on toxicological effects**

**Acute toxicity** :

| Product / ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Solvent naphtha (petroleum), light arom. | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >2000 mg/kg | - |
| Xylene | LD50 Dermal | Rat | 1100 mg/kg | - |

**Irritation / Corrosion** : Not available
**Sensitisation** : Not available
**Mutagenicity** : Not available
**Carcinogenicity** : Not available
**Reproductive toxicity** : Not available
**Teratogenicity** : Not available

## Specific target organ toxicity (single exposure)

| Name | Category | Route of exposure | Target organs |
|---|---|---|---|
| Solvent naphtha (petroleum), light arom. | Category 3 | Not applicable | Respiratory tract irritation and Narcotic effects |
| Solvent naphtha (petroleum), light arom. | Category 3 | Not applicable | Respiratory tract irritation and Narcotic effects |

**Specific target organ toxicity (repeated exposure)** Not available

## Aspiration hazard

| Name | Result |
|---|---|
| Solvent naphtha (petroleum) , light arom | ASPIRATION HAZARD – Category 1 |
| Solvent naphtha (petroleum) , light arom | ASPIRATION HAZARD – Category 1 |
| xylene | ASPIRATION HAZARD – Category 1 |

**Information on the likely routes of exposure** : Not available

## Potential acute health effects

**Eye contact** : Causes serious eye irritation

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation

**Skin contact** : Causes skin irritation

**Ingestion** : Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

## Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

- Pain or irritation
- Watering
- redness

**Inhalation** : Adverse symptoms may include the following:

- respiratory tract irritation
- coughing
- nausea or vomiting
- headache
- drowsiness / fatigue
- dizziness / vertigo
- unconsciousness

**Skin contact** : Adverse symptoms may include the following:
- irritation
- redness

**Ingestion** : No specific data

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : Not available

**Potential delayed effects** : Not available

**Long term exposure**

**Potential immediate effects** : Not available

**Potential delayed effects** : Not available

**Potential chronic health effects**

**General** : No known significant effects or critical hazards

**Carcinogenicity** : No known significant effects or critical hazards

**Mutagenicity** : No known significant effects or critical hazards

**Teratogenicity** : No known significant effects or critical hazards

**Developmental effects** : No known significant effects or critical hazards

**Fertility effects** : No known significant effects or critical hazards

**Numerical measures of toxicity**

**Acute toxicity estimates** :

| Route | ATE value |
|---|---|
| Dermal | 5057.5 mg/kg |
| Inhalation (vapours) | 37.93 mg/l |

## Section 12. Ecological information

**Toxicity** : Not available

**Persistence and degradability** : Not available

**Bioaccumulative potential** :

| Product / ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| Xylene | 3.12 | - | low |
| Ethylbenzene | 3.6 | - | low |

**Mobility in soil**
**Soil / water partition Coefficient ($K_{OC}$)** : Not available

**Other adverse effects** : No known significant effects or critical hazards

## Section 13. Disposal considerations

**Disposal methods** :

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licenced waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

| Regulation | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
|---|---|---|---|---|---|---|
| **ADG** | UN1123 | Butyl Acetates | 3 | III |  | - |
| **ADR** | UN1123 | Butyl Acetates | 3 | III |  | The environmentally hazardous substance mark is not required when transported in sizes of <5L or <5kg<br><br>Special Provisions<br>640 (E)<br><br>Tunnel Code<br>(D/E) |
| **IMDG** | UN1123 | Butyl Acetates | 3 | III |  | The marine pollutant mark is not required when transported in sizes of <5L or <5kg<br><br>Emergency schedules (EmS)<br>F-E, S-E |
| **IATA** | UN1123 | Butyl Acetates | 3 | III |  | The environmentally hazardous substance mark may appear if required by other transport regulations |

*PG* : Packing group*

## Section 15. Regulatory information

**Safety, health and environmental regulations specific for the product** : No known specific national and/or regional regulations applicable to this product (including its ingredients)

**Standard Uniform Schedule of Medicine and Poisons**

Not regulated

**Control of Scheduled Carcinogenic Substances**

**Australian inventory (AICS)**: All components are listed or exempted

**EU Classification** : R10
Xn; R20/21

| | | |
|---|---|---|
| | | Xi; R38 |
| **HCS Classification** | : | Flammable Liquid<br>Irritating material<br>Carcinogen<br>Target organ effects |

## Section 16. Other information

**History**

| | | |
|---|---|---|
| **Date of Printing** | : | 11/12/2017 |
| **Date of issue /** | | |
| **Date of revision** | : | 11/12/2017 |
| **Date of previous issue** | : | No previous validation |
| **Version** | : | 1 |

| | | |
|---|---|---|
| **Key to abbreviations** | : | ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of classification<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Marine Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (Marpol = marine pollution)<br>UN = United Nations |

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