SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia

1 PRODUCT & COMPANY UNDERTAKING IDENTIFICATION

Product Name:	PROLONG UNIVERSAL PRIMER
Product Code:	95075
Major Recommended Use:	Primer for Polyurethane.
Company:	Peerless Industrial Systems Pty Ltd
ABN:	14 097 615 391
Address:	PO Box 407 Cloverdale WA 6985 AUSTRALIA
Telephone Number:	61 (08) 9477 3788
Fax Number:	61 (08) 9477 3766
Email:	service@peerlessindustrialsystems.com
Emergency Telephone Number:	13 11 26

2 HAZARDS IDENTIFICATION

GHS Classification

Flammable Liquids:	Category 2
Acute inhalation toxicity – Dust / Mist:	Category 4 – 35.6% of the mixture consists of ingredient(s) of unknown toxicity.
Acute inhalation toxicity – Vapours:	Category 4 – 35.6% of the mixture consists of ingredient(s) of unknown toxicity.
Skin corrosion / irritation:	Category 2
Serious eye damage / eye irritation:	Category 2A
Skin sensitisation:	Category 1
Carcinogenicity:	Category 2
Reproductive toxicity:	Category 2
Specific target organ systemic toxicity: (Single Exposure)	Category 3
Specific target organ systemic toxicity: (Single Exposure)	Category 1 – Central nervous system, kidney, liver, respiratory system.
Specific target organ systemic toxicity: (Repeated Exposure)	Category 1 – Nervous system, respiratory system, central nervous system, peripheral nervous system.
Specific target organ systemic toxicity: (Repeated exposure)	Category 2 – Ears, liver, kidney.
Aspiration Hazard:	Category 1
Acute aquatic toxicity:	Category 3
Chronic aquatic toxicity:	Category 2

GHS Label Element

Hazard pictograms:

Signal Word: Danger

Hazard statements:

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause allergic skin reaction.
H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs.
H401 Toxic to aquatic life.
H433 Harmful to terrestrial vertebrates.
H226 Flammable liquid and vapour.

H333 May be harmful if inhaled.

Precautionary statements: P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear eye/face protection, gloves, protective clothing.

Response statements: P308+P313 IF exposed or concerned: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Poison Schedule (Australia) **S5**

Other hazards which do not result in classification

None known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	**CAS Number**	**Proportion**
Ethyl ethyl ketone	78-93-3	50 - 55%
Epoxy resin	Proprietary	20 - 25%
Ester solvent	Proprietary	10 - 15%
Xylene	1330-20-7	10 – 15%
Ethyl benzene	100-41-4	1 – 5%
Ester solvent	Proprietary	1 – 5%
Silane monomer 1	Proprietary	0.1 – 0.9%

Any “Proprietary” component(s) above are considered a trade secret, thus the specific chemical and its exact concentration is being withheld.

4 FIRST AID MEASURES

General advice: Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

If inhaled: Move to fresh air.
Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

In case of skin contact: Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
Seek Medical attention in the case of persistent irritation.

In case of eye contact: Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed: DO NOT induce vomiting and call a physician.
Call a physician or poison control centre immediately for further instructions.
Never give anything by mouth to an unconscious person.

Most important symptoms: and effects, both acute and delayed.	irritant effects sensitising effects Dermatitis See Section 11 for more detailed information on health effects and symptoms. Causes skin irritation May cause allergic skin reaction Causes eye irritation
Notes to physician:	Treat symptomatically.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. (Carbon Dioxide, Dry Chemical, Foam, Water Fog)
Specific hazards during fire fighting:	Flammable liquid and vapour. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. Do not allow run-off from firefighting to enter drains or water courses.
Hazardous combustion: products:	During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.
Specific extinguishing methods:	Collect contaminated fire extinguishing water separately. This must not be discharged to drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment:	Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid contact. Avoid breathing vapours. Use self-contained breathing equipment.
Environmental precautions:	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) and non-sparking tools. Keep in suitable, closed containers for disposal.

7 HANDLING & STORAGE

Advice on protection against fire and explosion:	Keep closure tight and container upright to prevent leakage. Ground and bond . containers when transferring material. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapours, keep away from heat,sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.
Advice on safe handling:	Do not breathe vapours or spray mist. Do not store or use near heat, sparks, or open flame. Store only in well ventilated areas. Do not puncture, drag or slide container. Keep container closed when not in use.

Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Do not handle until all safety precautions have been read and understood.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which a mixture is being used.
Smoking, eating and drinking should be prohibited in the application area.
Follow standard hygiene measures when handling chemical products.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of the workday.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in accordance with local regulations.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Chemical Name	ACGIH TLV - TWA	ACGIH TLV - STEL	OSHA PEL - TWA	OSHA PEL - CEILING	Skin
Methyl ethyl ketone	200 ppm	300 ppm	590 mg/m3 200 ppm	N.E.	N.A.
Epoxy resin	N.E.	N.E.	N.E.	N.E.	N.A.
Ester solvent	N.E.	N.E.	N.E.	N.E.	N.A.
Xylene	100 ppm	150 ppm	435 mg/m3 100 ppm	N.E.	N.A.
Ethyl benzene	20 ppm	N.E.	435 mg/m3	N.E.	N.A.
Ester Solvent	N.E.	N.E.	N.E.	N.E.	N.A.
Silane monomer 1	N.E.	N.E.	N.E.	N.E.	N.A.

N.A. – Not Applicable, N.E. – Not Established, S – Skin Designation

Engineering controls: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapours are heavier than air and collect in Lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapour/air mixtures from accumulating.

Personal protective equipment

Respiratory protection: Use in a well-ventilated area General exhaust is adequate under normal operating conditions. Refer also to protective measures for the other component used with the product. Read both SDS before using; store and attach SDS together.

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 it is necessary.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.

Hygienic practices: Wash hand before eating, smoking or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Blue
Odour:	Solvent
Odour Threshold:	Not available
pH:	Not available
Boiling range:	80 – 200°C
Flashpoint (°C):	5°C Setaflash Closed Cup
Evaporation rate:	Slower than n-butyl-acetate
Flammability:	Flammable
Upper explosion limit:	13.1% (V)
Lower explosion limit:	1% (V)
Vapour Pressure (mm Hg):	Not available
Relative Vapour Density:	Heavier than air
Density:	0.89
Solubility in Water:	Insoluble
Partition Coefficient n-Octanol/Water	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Per cent Volatiles:	< 0.5%
Volatile Organic Compounds:	< 0.5%

10 STABILITY & REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	The product is chemically stable under normal storage conditions.
Possibility of hazardous reactions:	Stable under recommended storage conditions.
Conditions to avoid:	Heat and sources of ignition.
Incompatible materials:	Strong acids, bases, and strong oxidizing materials.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide.

11 TOXICOLOGICAL INFORMATION

Chemical Name	**LD50/LC50**
Methyl ethyl ketone	Oral LD50: Rat 2, 483 mg/kg Dermal LD50: Rabbit 5,000 mg/kg Inhalation LC50: Rat 11700 ppm/4 h
Epoxy resin	Oral LD50: Rat 11,400 mg/kg
Ester solvent	Oral LD50: Rat 3,500 mg/kg Dermal LD50: Rabbit > 5 g/kg
Xylene	Oral LD50: Rat 3,500 mg/kg Dermal LD50: Rabbit > 4,350 mg/kg Inhalation LC50: Rat 29.08 mg/l /4 h
Ethyl benzene	Oral LD50: Rat 3,500 mg / kg Dermal LD50: Rabbit 15,400 mg / kg Inhalation LC50: Rat 17.2 mg/l /4 h
Ester solvent	N.D.
Silane monomer 1	Oral LD50: Rat 1,780 mg/kg Dermal LD50: Rabbit 4 ml/kg

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Category 2 – Suspected of causing cancer.
Components contributing to classification: Ethyl benzene.

Reproductive toxicity: Category 2 – Suspected of damaging fertility or the unborn child.
May cause harm to breastfed children.
Components contributing to classification: Xylene, Ethyl benzene, Toluene.

STOT – single exposure: Not classified based on available information.

STOT – repeated exposure: Not classified based on available information.

Aspiration toxicity: Not classified based on available information.

12 ECOLOGICAL INFORMATION

Ecotoxicity:

Chemical Name	**Ecotoxicity**
Methyl ethyl ketone	Fish: Pimephales promelas 3,130 – 3,320 mg/196 h flow-through. Invertebrates: Daphnia magna > 520 mg/148 h Daphnia magna 5,091 mg/148 h Daphnia magna 6,440 mg/148 h Static
Epoxy resin	Not determined
Ester solvent	Fish: Pimephales promelas 161 mg/196 h Static Invertebrates: Daphnia magna > 500 mg/148 h
Xylene	Fish: Pimephales promelas 13.4 mg/196 h flow-through Oncorhynchus mykiss 2.661 – 4.093 mg/196 h Static Oncorhynchus mykiss 13.5 – 17.3 mg/196 h Lepomis macrochirus 13.1 – 16.5 mg/196 h flow-through Lepomis macrochirus 19 mg/196 h Lepomis macrochirus 7.711 – 9.591 mg/196 h Static Pimephales promelas 23.53 – 29.97 mg/196 h Static Cyprinus carpio 780 mg/196 h semi-static Cyprinus carpio > 780 mg/196 h Poecilia reticulata 30.26 – 40.75 mg/196 h Static Invertebrates: water flea 3.82 mg/148 h Gammarus lacustris 0.6 mg/148 h
Ethyl benzene	Fish: Oncorhynchus mykiss 11.0 – 18.0 mg/196 h Static Oncorhynchus mykiss 4.2 mg/196 h semi static Pimephales promelas 7.55 – 11 mg/196 h flow-through Lepomis macrochirus 32 mg/196 h Static Pimephales promelas 9.1 – 15.6 mg/196 h Static Poecilia reticulata 9.6 mg/196 h Static Invertebrates: Daphnia magna 1.8 – 2.4 mg/148 h Plants: Pseudokirchneriella subcapitata 4.6 mg/172 h Pseudokirchneriella subcapitata < 438 mg/196 h Pseudokirchneriella subcapitata 2.6 – 11.3 mg/172 h Static Pseudokirchneriella subcapitata 1.7 – 7.6 mg/196 h Static
Ester solvent	Not determined
Silane monomer 1	Not determined

Persistence and degradability: Not determined for this product.

Bioaccumulative potential: Not determined for this product.

Mobility in soil: Not determined for this product.

Other adverse effects Not determined for this product.

Product:
Additional ecological information: Avoid contaminating waterways or discharging to sewers.

13 DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues: The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

14 TRANSPORT INFORMATION

International Regulation

IATA-DGR.

UN/ID No.	UN 1133
Proper Shipping Name :	Adhesives
Class :	3
Packing group :	III
Labels :	

IMDG-Code

UN/ID No.	UN 1133
Proper Shipping Name :	Adhesives
Class :	3
Packing group :	III
Labels :	

Road & Rail Transport
"Australian Code for the Transport of Dangerous Goods by Road & Rail"

UN/ID No.	UN 1133
Proper Shipping Name :	Adhesives
Class :	3
Packing group :	III
Labels :	

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture.
Standard for the Uniform Scheduling of Medicines and Poisons: Schedule 5

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors: Not applicable

Prohibition / Licensing Requirements: There is no applicable prohibition or notification / licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

The components of this product are reported in the following inventories:
AICS: On the inventory, or in compliance with the inventory.

16 OTHER INFORMATION

Date format: **January 2025**

Safety Data Sheets are updated frequently. Please ensure that you have a current copy. SDS may be obtained from the following website: www.epigen.com.au

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