SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia

1 PRODUCT & COMPANY UNDERTAKING IDENTIFICATION

Product Name:	PROLONG STEEL LIQUID "B"
Product Code:	95051B
Major Recommended Use:	Metal repair composite when mixed with "A".
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

Skin corrosion / irritation:	Category 1A
Serious eye damage / eye irritation:	Category 1
Skin sensitisation:	Category 1
Chronic aquatic toxicity:	Category 1

GHS Label Element

Hazard pictograms:

Signal Word: Warning

Hazard statements: H317 May cause allergic skin reaction.

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:
P302 + P352 IF ON SKIN: Wash with soap and water.
P333 + P313 If skin irritation or rash occurs: 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**
Polyamide	68410-23-1	>15%
Tris-2,4,6- (Dimethylaminomethyl) Phenol	90-72-2	<10%
Ingredients determined not to be hazardous	not applicable	to 100%

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. Other measures are usually unnecessary.
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:	Clean mouth with water and drink afterwards plenty of water. DO NOT induce vomiting and call a physician. Do not give milk or alcoholic beverages. 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.
Specific hazards during fire fighting:	Do not allow run-off from firefighting to enter drains or water courses.
Hazardous combustion: products:	No hazardous combustion products are known.
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:	In the event of fire, wear self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Deny access to unprotected persons.
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). Keep in suitable, closed containers for disposal.

7 HANDLING & STORAGE

Advice on protection against fire and explosion:	Normal measures for preventive fire protection.
Advice on safe handling:	Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. 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
Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/ vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
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.

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Thick Liquid
Odour:	Ammoniacal
Odour Threshold:	Not available
pH:	Alkaline
Melting Point:	Not available

Boiling Point (@760mm Hg):	> 205°C
Flashpoint (°C):	> 200°C Closed Cup
Evaporation rate:	No data available
Flammability:	Not applicable
Upper explosion limit:	Not available
Lower explosion limit:	Not available
Vapour Pressure (mm Hg):	< 10 @ 20°C
Relative Vapour Density:	Not available
Density:	1.4
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.
Possibility of hazardous reactions:	Stable under recommended storage conditions.
Conditions to avoid:	Heat and sources of ignition.
Incompatible materials:	Strong oxidizing materials.

11 TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:

Skin contact : Contact with skin can result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic skin reaction in predisposed individuals. Category 1 Hazard (irritant to skin). Category 1A Hazard (skin sensitiser).

Eye contact: Causes serious eye irritation. Category 1 Hazard (reversible effects to eyes)

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract

Inhalation: Material The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Acute toxicity: Not classified based on available information.

Chronic toxicity:

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

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.

Information specifically related to Tris-2,4,6-(Dimethylaminomethyl) Phenol

TOXICITY	IRRITATION
Oral (rat) LD50: 1200 mg/kg	Skin (rabbit): 2 mg/24h - SEVERE
Oral (rat) LD50: 2500 mg/kg *	Eye (rabbit): 0.05 mg/24h - SEVERE
Dermal (rabbit) LD50: 1280 mg/kg	
Inhalation (rat) LC50: >0.5 mg/l/1 hr.	

12 ECOLOGICAL INFORMATION

Ecotoxicity:

Tris-2,4,6- (Dimethylaminomethyl) Phenol
- Rainbow trout (salmo gairdneri) TL50: 180-240 mg/l/96hr
- Rainbow trout (salmo gairdneri) No effect level: 180 mg/l
- Mud crab TL50: 750-1000 mg/l/96hr
- Mud crab TL50: No effect level: 750 mg/l
- Carp TL50: 175 (131-235) mg/l/96hr
- Carp No effect level: 140 mg/l
- Grass shrimp TL50: 750-1000 mg/l/24

Persistence and degradability: HIGH.

Bioaccumulative potential: LOW

Mobility in soil: LOW

Other adverse effects

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. NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

IMDG-Code NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Road & Rail Transport NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
"Australian Code for the Transport of Dangerous Goods by Road & Rail"

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: **August 2026**

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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