

Section 1 - Identification of the Material and Supplier

Supplier	Newfield Group Ltd, 491 Waterloo Road, Christchurch 8042 Phone: 03 348 0799
Product Name	PERI PLUMBING FLUX
Product Codes	PPFB
Other Names	Plumbing Flux
Recommended Uses	Flux for copper tube and other metals
Creation Date	September 2025
This Version Issued	September 2025 and is valid for 5 years from this date

EMERGENCY CONTACT NUMBER (National Poisons Centre): 0800 764 766

Section 2 - Hazards Identification

GHS Classification:

WARNING! Avoid prolonged contact with eyes, skin, and clothing. Avoid contact with eyes. DO NOT ingest. Do not breathe vapor or mist. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Breathing high concentrations of product above permissible exposure limits may result in severe or permanent toxic effects.

Label elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal Word: **DANGER**



- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 May cause respiratory irritation
- H336 May cause drowsiness and dizziness
- H411 Toxic to aquatic life with long lasting effects.

Effects of Exposure:

- EYES: May cause severe eye irritation, burning, blurred vision.
- SKIN: Prolonged or repeated contact can cause moderate irritation.
- INGESTION: May cause slight irritation to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
- INHALATION: May result in moderate irritation, dizziness, weakness, fatigue, nausea and headache. Can cause severe or permanent toxic effects.

Symptoms of Overexposure:

EYES: May cause severe eye irritation, burning, blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

INGESTION: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. May result in severe or permanent toxic effects.

INHALATION: Repeated inhalation of concentration above permissible exposure limits may result in severe or permanent toxic effects.

Acute Health Effects:

EYES: May cause severe eye irritation, burning, blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

INGESTION: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. May result in severe or permanent toxic effects.

INHALATION: Repeated inhalation of concentration above permissible exposure limits may result in severe or permanent toxic effects.

Chronic Health Effects:

EYES: May cause severe eye irritation, burning, blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

INGESTION: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. May result in severe or permanent toxic effects.

INHALATION: Repeated inhalation of concentration above permissible exposure limits may result in severe or permanent toxic effects.

Target Organs: Liver, kidneys and respiratory system

Section 3 - Composition and Ingredient Information

CHEMICAL NAME(S)	CAS No.	%
polyethylene glyco	24991-53-5	30-50%
glycerinum	56-81-5	25-35%
phosphoric acid	7664-38-2	8-20%
Dibromobutylene glycol C4H6Br2O2	617-33-4	0.3-1%

Unlisted percentages are non-hazardous stabilizers, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

Section 4 - First Aid Measures

Description of first aid measures:

EYES:	Flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek immediate medical attention.
SKIN:	Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned.
INGESTION:	Seek immediate medical attention.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Medical Conditions Aggravated by Exposure:

None reported

Section 5 - Fire Fighting Measures

Fire & Explosion Hazards:

Carbon monoxide (CO), Carbon Dioxide (CO₂), Aliphatic aldehydes, and melted solder above 540°C / 1000°F will liberate toxic lead and/or toxic fumes.

Extinguishing Methods:

CO₂, Alcohol foam, Dry Chemical

Firefighting Procedures:

Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Do not use water. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway.

Section 6 - Accidental Release Measures

Spills:

Secure spill area and deny entry to all unprotected individuals. Individuals involved in the cleanup should wear appropriate personal protective equipment. Area may become slippery. Absorb product onto porous material, such as sand, clay, diatomaceous earth or commercial absorbent material. Place into leak-proof, U.S. DOT-approved containers. If necessary, cover all drains and dike well ahead of the spill to prevent runoff into sewers, drains, and all waterways. Contact appropriate local or provincial authorities for assistance and/or reporting requirements.

Section 7 - Handling and Storage

Work & Hygiene Practices:

Harmful or irritating material. Wash hands thoroughly after using this product and before eating, drinking, Or smoking. Remove soiled clothing to prevent prolonged skin contact.

Storage & Handling:

Keep away from all sources of ignition and hot surfaces. Do not expose to sunlight or elevated temperatures. Use and store in cool, dry, well ventilated areas away from heat, hot surfaces and all sources of ignition. Do not store with food stuffs. Protect containers from physical damage. Indoor storage should meet OSHA standards and appropriate codes. Keep container tightly closed when not in use. Keep out of reach of children. Avoid prolonged or repeated contact with skin; eyes or clothing. Avoid breathing product vapor for extended periods of time. Avoid activities that could cause splashing of the spilled material or create dust.

Special Precautions:

Ventilation is required to maintain operator exposure below published exposure limits. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits; explosion proof exhaust ventilation should be used. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Section 8 - Exposure Controls / Personal Protection

Ventilation & Engineering Controls:

Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation). Ventilation is required to maintain operator exposure below published exposure limits. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Follow a respiratory protection program that meets the 29 CFR, 191.134 and ANZU Z88.2 requirements whenever workplace conditions warrant the use of a respirator. Wear a NIOSH approved respirator if any exposure is possible.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses. Wear goggles and a face shield.

Hand Protection:

Wear chemically resistant rubber gloves. Inspect gloves for chemical break-through and replace at regular intervals.

None required for normal conditions of use. Wash hands and other exposed areas with mild soap and water before eating, drinking and when leaving work. Where contact is likely wear chemically resistant gloves, a chemical suit, rubber boots, and a chemical safety goggles plus a face shield.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties:

Melting Point:	NA
Evaporation Rate:	> 1
Molecular Weight:	NA
Appearance & Color:	Amber colored paste
Odour Threshold:	Mild rosin odor
Solubility:	NA
ph:	ND
Viscosity:	NA

Other Information: No additional information available

Section 10 - Stability and Reactivity

Stability:	Stable under normal conditions; unstable with heat.
Hazardous Decomposition Products:	Toxic fume.
Hazardous Polymerization:	Will not occur.
Conditions to avoid:	High temperatures and high humidity.
Incompatible Substances:	Peroxides, metals, strong acids, strong oxidizing agents, strong reducing agents, acids, chlorine, moisture, strong alkalies.

Section 11 - Toxicological Information

Toxicity Data:	There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.
Acute Toxicity:	See Section 2
Chronic Toxicity:	See Section 2
Suspected Carcinogen:	NE
Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
Teratogenicity:	This product is not reported to produce teratogenic effects in humans.
Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
Irritancy of Product:	See Section 2
Biological Exposure Indices:	NE
Physician Recommendations:	Treat symptomatically. Ingestion of fume must be avoided.

Section 12 - Ecotoxicological Information

Environmental Stability:	NA
Effects on Plants & Animals:	NA
Effects on Aquatic Life:	NA

Section 13 - Disposal Considerations

Waste Disposal:	Dispose of in accordance with federal, state or local regulations. Do not dump into sewers, on the ground or into any body of water.
Special Considerations:	EPA Waste Code: D001 (characteristic - ignitability)

Section 14 - Transport Information

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

49 CFR (GND):	NOT REGULATED
IATA (AIR):	NOT REGULATED
IMDG (OCN):	NOT REGULATED
TDGR (Canadian GND):	NOT REGULATED
ADR/RID (EU):	NOT REGULATED
SCT (MEXICO):	NOT REGULATED
ADGR (AUS):	NOT REGULATED

Section 15 - Regulatory Information

SARA Reporting:	NA
SARA Threshold Planning:	NA
TSCA Inventory Status:	All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.
CERCLA Reportable Quantity (RQ):	NA
Other Federal Requirements:	NA
Other Canadian Regulations:	This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
State Regulatory Information:	The primary components of this product is listed on the following state Right to Know lists: California, Massachusetts, New Jersey Pennsylvania.

Other Requirements:

The primary component of this product is listed in Annex I of EU Directive 67/548/EEC:

(X) Irritant

R: 36/38 Irritation to eyes and skin.

R: 42/43 May cause sensitization by inhalation and skin contact.

S: 2 Keep away from children

S: 24/25 Avoid contact with skin and eyes

S: 36/37 Wear safety gloves and glasses



Section 16 - Other Information

Use only as directed. Keep out of reach of children. Avoid contact with skin. Avoid contact with eyes. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). If skin irritation occurs: get medical advice/attention. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.

Disclaimer

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