

SAFETY DATA SHEET

HP-X



Section 1. Identification of the material and the supplier

Product: **HP-X**
Product Item: A water based Graphite Intumescent Fire Stopping Sealant.
Restriction of Use: Refer to Section 15

New Zealand Supplier: **RYANFIRE Products Ltd**
Address: 11 Ashfield Road
Wairau Valley
Auckland, 0627

Telephone: +64 9 443 0362
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 19 March 2024

Section 2. Hazards Identification

Not classified as hazardous according to Regulation (EC) No. 1272/2008
[CLP]Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II) which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2017.

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Carbon	15 - 25	12777-87-6

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.

If on Skin Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS. Seek medical attention if irritation persists.

If Swallowed If accidentally swallowed wash mouth with water and give large volumes of water to drink. DO NOT induce vomiting. Seek medical attention.

If Inhaled Not a route of exposure.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Possible discomfort.
Inhalation: Not applicable.
Skin: Prolonged contact may cause redness, irritation and dry skin.
Eye: May cause irritation of the eye.
Chronic: Chronic respiratory or skin conditions will not improve and may worsen with exposure to this product.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable/Non-Combustible
Hazards from combustion products	Above 200°C the product rapidly expands.
Suitable Extinguishing media	Foam, CO2, powder, water spray/mist.
Precautions for firefighters and special protective clothing	Use normal firefighting procedures. Do not allow run off from firefighting to enter drains or water courses.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Avoid skin and eye contact. Wear personnel protective equipment.

Do not allow to enter drains or water courses.

Contain and collect spillages and place in a suitable container for disposal in accordance with the waste regulations (see section 13).

Section 7. Handling and Storage**Precautions for Handling and Storage:**

- Avoid contact with skin and eyes.
- Smoking, eating and drinking should be prohibited during use.
- For personal protection see Section 8.
- The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in section 9. This will give the net weight of the product in kilograms.

Precautions for Storage:

- Keep containers closed when not in use.
- Observe label precautions – Store between 5°C and 25°C in a dry well-ventilated place away from sources of heat.
- Protect from frost.
- Keep out of reach of children.
- Store separately from oxidising agents and strongly acidic materials.

Section 8 Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14TH EDITION.

Engineering Controls

Provide adequate ventilation during application and drying.

Personal Protection Equipment



Eyes	Eye protection designed to protect against liquid splashes should be worn.
Skin	Wear suitable protective clothing and plastic or rubber gloves.
Respiratory	If ventilation is insufficient suitable respiratory protective equipment must be worn.
Hygiene Measures	When using do not eat drink or smoke. Wash hands before eating, drinking, smoking or using the toilet.

Section 9 Physical and Chemical Properties

Appearance	Viscous Paste
Colour	Not available
Odour	Odourless
Odour Threshold	Not available
pH	7.5 - 8.5
Boiling Point	Not available
Melting Point	Not available
Working Temp	Not available
Freezing Point	Not available
Flash Point	>100°C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	1.5-1.6 @ 20°C
Water Solubility	Miscible with water.
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal temperature and storage conditions.
Possibility of hazardous reactions	None known
Conditions to Avoid	None known
Incompatible Materials	None known
Hazardous Decomposition Products	Oxides of carbon released under high temperature (>300°C)

Section 11 Toxicological Information

Direct exposure to fiberglass or exposure to fiberglass dust may irritate the skin, eyes, nose, and throat. Fiberglass may cause itching due to mechanical irritation from the fibers. Breathing fibers may irritate the airway resulting in coughing and a scratchy throat.

Acute Effects:

Swallowed	Not triggered however may cause discomfort if swallowed. May cause stomach pain.
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Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not triggered however there is risk of irritation to eyes.
Skin	Not triggered however may be irritating to skin.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	The product is not biodegradable.
Bioaccumulation	The product is not bio accumulating.
Mobility in Soil	Not mobile.
Other adverse effects	None known.

Section 13. Disposal Considerations

Disposal Method: Dispose of according to local regulations

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020

Section 15 Regulatory Information

Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II) which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2017.

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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