

\*AIRMAR certifies that the application of Foulfree™ coating on its transducers results in no loss in transducer performance.

## Section 1 - Identification of the Material and the Supplier

### 1.1 Product identifier

|                     |                            |
|---------------------|----------------------------|
| <b>Product name</b> | Foulfree                   |
| <b>Product code</b> | Foulfree kit: FF15K, FFKIT |

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

|                            |                                    |
|----------------------------|------------------------------------|
| <b>Identified uses</b>     | Protective coating for transducers |
| <b>Restrictions of use</b> | Refer to Section 15                |

### 1.3 Details of the supplier of the Safety Data Sheet

|                 |                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplier</b> | Propspeed USA Inc.<br>8333 NW 53rd Street<br>Suite 450<br>Doral, FL 33166<br>USA<br><a href="http://www.propspeed.com">www.propspeed.com</a><br>+1 754 346 4466 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 1.4 Emergency telephone number

|                                                          |                                                                                                                                                                  |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Emergency Response Telephone (24 hours, 365 days)</b> | USA & Canada - Call CHEMTREC Toll Free: 1-800-424-9300<br>+1-703-527-3887<br>New Zealand 0800 243 622<br>Australian 1800 127 406<br>Global Access +64 4 917 9888 |
| <b>NZ National Poisons Centre Telephone</b>              | 0800 POISON (0800 764 766)                                                                                                                                       |

|                                |                          |
|--------------------------------|--------------------------|
| <b>Date of SDS Preparation</b> | 29 April 2024, Version 2 |
|--------------------------------|--------------------------|

## Section 2 - Hazards identification

**Hazardous Status:** This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

**EPA Approval Code:** Surface Coatings and Colourants (Flammable)-HSR002662

### GHS pictograms:



Flammable



Chronic



Irritant

GHS Signal word: **Warning**

| HSNO Classification | Hazard Code | Hazard Statement                                                   | GHS Category  |
|---------------------|-------------|--------------------------------------------------------------------|---------------|
| 3.1C                | H226        | Flammable liquid and vapour.                                       | Flam. Liq. 3  |
| 6.1 E (dermal)      | H313        | May be harmful in contact with skin.                               | Acute Tax. 5  |
| 6.3A                | H315        | Causes skin irritation.                                            | Skin Irrit. 2 |
| 6.4A                | H319        | Causes serious eye irritation.                                     | Eye Irrit. 2A |
|                     | H350        | May cause cancer                                                   | Carc. 1       |
| 6.88                | H361        | Suspected of damaging fertility or the unborn child                | Repr. 2       |
| 6.98                | H373        | May cause damage to organs through prolonged or repeated exposure. | STOT RE 2     |
| 6.9N                | H336        | May cause drowsiness or dizziness.                                 | STOT SE 3     |
| 9.1D                | H402        | Harmful to aquatic life (chronic).                                 | Aqua.4        |
| 9.3C                | H433        | Harmful to terrestrial vertebrates.                                | -             |

| Prevention Code | Prevention Statement                                                     |
|-----------------|--------------------------------------------------------------------------|
| P102            | Keep out of reach of children.                                           |
| P103            | Read label before use.                                                   |
| P201            | Obtain special instructions before use.                                  |
| P202            | Do not handle until all safety precautions have been read and understood |
| P210            | Keep away from heat, sparks, open flames or hot surfaces. No smoking.    |
| P233            | Keep container tightly closed.                                           |
| P240            | Ground/bond container and receiving equipment.                           |
| P241            | Use explosion-proof electrical, ventilation and lighting.                |
| P242            | Use only non-sparking tools.                                             |
| P243            | Take precautionary measures against static discharge.                    |

|      |                                                    |
|------|----------------------------------------------------|
| P260 | Do not breathe fumes, vapours and spray.           |
| P264 | Wash hands thoroughly after handling.              |
| P271 | Use only outdoors or in a well-ventilated area.    |
| P273 | Avoid release to the environment.                  |
| P280 | Wear protective clothing as detailed in Section 8. |
| P281 | Use personal protective equipment as required.     |

| Response Code      | Response Statement                                                                                                               |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P101               | If medical advice is needed, have product container or label at hand.                                                            |
| P312               | Call a POISON CENTER or doctor/physician if you feel unwell.                                                                     |
| P314               | Get medical advice/attention if you feel unwell.                                                                                 |
| P362               | Take off contaminated clothing and wash before re-use.                                                                           |
| P301 + P352        | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313        | If exposed or concerned: Get medical advice/ attention.                                                                          |
| P332 + P313        | If skin irritation occurs: Get medical advice/ attention.                                                                        |
| P337 + P313        | If eye irritation persists: Get medical advice/attention.                                                                        |
| P370 + P378        | In case of fire: Use AFFF alcohol compatible foam or water spray for extinction.                                                 |

| Storage Code | Storage Statement                                                |
|--------------|------------------------------------------------------------------|
| P405         | Store locked up.                                                 |
| P403 + P233  | Store in a well-ventilated place. Keep container tightly closed. |
| P403 + P235  | Store in a well-ventilated place. Keep cool.                     |

| Disposal Code | Disposal Statement                        |
|---------------|-------------------------------------------|
| P501          | Dispose of according to local regulations |

### Section 3 - Composition/information on ingredients

#### Hazard Component

| Ingredient name                    | CAS No.   | Content Weight% |
|------------------------------------|-----------|-----------------|
| 1-Propanamine, 3-(triethoxysilyl)- | 919-30-2  | 0.1 -1          |
| Xylene                             | 1330-20-7 | 5 -10           |
| Ethyl benzene                      | 100-41-4  | 5 -10           |
| White mineral oil (Petroleum)      | 8042-47-5 | 1- 5            |
| 2-Butanone, oxime                  | 96-29-7   | 0.1-1           |

#### Section 4 - First aid measures

|              |                                                                                                                                                                                                                |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Burns:       | Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.                                          |
| If in Eyes   | Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital. Bring these instructions.               |
| If on Skin   | Remove contaminated clothing immediately and wash skin with soap and water. Important to remove the substance from the skin immediately. Continue to rinse for at least 15 minutes and seek medical attention. |
| If Swallowed | Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.                                                                                                   |
| If Inhaled   | Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if needed.                                                                                                 |

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

##### Symptoms

|             |                                                                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingestion:  | Not applicable                                                                                                                                             |
| Inhalation: | Not applicable                                                                                                                                             |
| Skin:       | May be harmful in contact with skin. Causes skin irritation.                                                                                               |
| Eye:        | Causes serious eye irritation.                                                                                                                             |
| Chronic     | Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. |

#### Section 5 – Firefighting measures

|                                            |                                                                                                                                                                                                                                                  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard Type</b>                         | Flammable liquid                                                                                                                                                                                                                                 |
| <b>Hazards from decomposition products</b> | Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Hydrogen, nitrogen products. |
| <b>Suitable Extinguishing media</b>        | On large fires use AFFF alcohol compatible foam or water spray (fog). On small fires use AFFF alcohol compatible foam, CO2 or water spray (fog). Water can                                                                                       |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                     | <p>be used to cool fire exposed containers. Most fire extinguishing media will cause hydrogen release. Thus, in poorly ventilated or confined spaces, the accumulation of hydrogen may result in flash fire or explosion if ignited. Applying foam may release flammable hydrogen gas that can be trapped under the foam.</p> <p>Unsuitable: Dry powder. Do not allow extinguishing medium to contact container contents</p> |
| <b>Precautions for firefighters and special protective clothing</b> | <p>A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Vapours may form explosive mixtures with air.</p>                                                                                                                                                    |
| <b>HAZCHEM CODE</b>                                                 | 3Y                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Section 6 - Accidental release measures

Wear protective PVC gloves, chemical goggles and PVC boots. Contain spill with earth and sand. Where practical, transfer spilt material to clean polyethylene containers for disposal. Transfer contaminated earth or sand into polyethylene containers for disposal. Wash down area with excess water. Do not allow to drain or watercourse.

Dispose of solid residues in chemical waste disposal area in accordance with relevant Local Council requirements. Use licensed trade waste contractor to dispose of all chemical residues.

## Section 7 - Handling and storage

### Precautions for safe handling:

- Keep out of reach of children.
- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Keep container tightly closed.
- Use explosion proof electrical equipment, ventilation, lighting.
- Ground/bond container and receiving equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing fumes, vapours, or sprays.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.

- Avoid release to the environment.
- Wear protective clothing and protective equipment.

**Conditions for safe storage:**

- Store away from incompatible materials listed in Section 10
- Store in a flameproof, well-ventilated area.
- Electrostatic charges may be generated during transfer of product from its container.
- Ensure that all equipment is electrically earthed.
- Keep container closed and store away from water or moisture.
- This product may evolve hydrogen on storage.
- Vapours may form explosive mixtures with air.
- Do not store with oxidizing agents.
- Store locked up

**Section 8 - Exposure controls/personal protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

| Substance                             | WES-TWA |                    | WES-STEL |                    |
|---------------------------------------|---------|--------------------|----------|--------------------|
|                                       | ppm     | mg.m <sup>-3</sup> | ppm      | mg.m <sup>-3</sup> |
| Xylene o-, m-, p-<br>or mixed isomers | 100     | 435                | -        | -                  |
| Ethylbenzene                          | 100     | 435                | -        | -                  |
| 2-Butanone, Oxime                     | 200     | 590                |          |                    |

*USA OSHA Permissible Exposure Limits (PELs) Table Z-1, April 2024. 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 workingday 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.*

**Engineering Controls:**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapours. An eye wash bottle must be available at the work site. Mix and prepare in a place with efficient exhaust ventilation.

**Personal Protection Equipment**



|             |                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory | Suitable respiratory protection should be worn in confined spaces or in case of inadequate ventilation. A suitable respirator must be worn if an aerosol or mist is generated. |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|         |                                                                                                                                                                              |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hands   | Wear protective gloves. Nitrile gloves are recommended.                                                                                                                      |
| Eyes    | Tight fitting safety goggles or face shield should be used. Avoid wearing contact lenses.                                                                                    |
| Skin    | Wear impervious overalls if significant skin contact is likely to occur.                                                                                                     |
| Hygiene | Exercise proper industrial hygiene practices. Wash hands after handling, especially before eating, smoking or drinking. Contaminated clothing should be removed immediately. |

## Section 9 – Physical and chemical properties

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| Appearance                              | liquid                                          |
| Colour                                  | translucent                                     |
| Odour                                   | solvent / petrol                                |
| Odour threshold                         | not available                                   |
| pH                                      | not applicable (solvent based product)          |
| Boiling point                           | 136.2 - 144.4°C                                 |
| Melting point                           | not available                                   |
| Freezing point                          | not available                                   |
| Flash point                             | 28.2 °C                                         |
| Flammability                            | not available                                   |
| Upper and lower Explosive Limits        | 1.1 – 7 vol %                                   |
| Vapour pressure                         | 1,333 Pa                                        |
| Relative vapour density                 | 3.7 (air=1)                                     |
| Specific gravity                        | 0.94 - 1.04                                     |
| Water solubility                        | Insoluble in water, soluble in organic solvents |
| Partition coefficient (n-octanol/water) | not available                                   |
| Auto-ignition temperature               | 432°C                                           |
| Decomposition temperature               | not available                                   |
| Viscosity @ 25°C                        | 500-800 cst                                     |
| Particle Characteristics                | not available                                   |

## Section 10 – Stability and reactivity

|                                           |                                                   |
|-------------------------------------------|---------------------------------------------------|
| <b>Stability of Substance</b>             | Stable under normal conditions.                   |
| <b>Possibility of hazardous reactions</b> | No data available.                                |
| <b>Conditions to Avoid</b>                | Avoid heat, flames and other sources of ignition. |

|                                         |                                                                                                                                                                                                                                                  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Incompatible Materials</b>           | Hydrogen is liberated on contact with water, alcohols, acidic or basic materials, many metals or metallic compounds and can form explosive mixtures in the air. Can react with strong oxidizing agents.                                          |
| <b>Hazardous Decomposition Products</b> | Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Hydrogen, nitrogen products. |

## Section 11 – Toxicological information

### Acute Effects:

|            |                                                                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Swallowed  | Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort. Forms methanol and may cause serious injury to man at doses > 200mg/kg |
| Dermal     | May be harmful if in contact with skin.                                                                                                                                                                         |
| Inhalation | Not applicable.                                                                                                                                                                                                 |
| Eye        | Causes serious eye irritation.                                                                                                                                                                                  |
| Skin       | Causes skin irritation. Repeated or prolonged contact may cause defatting of the skin leading to dermatitis.                                                                                                    |

### Chronic Effects:

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| Carcinogenicity        | Not applicable.                                                    |
| Reproductive Toxicity  | Suspected of damaging fertility or the unborn child.               |
| Germ Cell Mutagenicity | Not applicable.                                                    |
| Aspiration             | Not applicable.                                                    |
| STOT/SE                | May cause drowsiness or dizziness.                                 |
| STOT/RE                | May cause damage to organs through prolonged or repeated exposure. |

### Ingredient Data

#### Acute Oral Toxicity

|                   |              |             |
|-------------------|--------------|-------------|
| Xylene            | LD50 (mouse) | =1700 mg/kg |
| Ethylbenzene      | LD50         | =3500 mg/kg |
| 2-Butanone, oxime | LD50         | =1440 mg/kg |

#### Inhalation

|              |            |               |
|--------------|------------|---------------|
| Xylene       | LD50 (rat) | =29.08mg/kg   |
| Ethylbenzene | LD50       | =17.2 mg/L 4h |

**Dermal**

2-Butanone, oxime                      LD50                      =1000 mg/kg

**Acute Toxicity**

1-Propanamine, 3-  
(triethoxysilyl)-                      =1570 mg/kg

**Special circumstances:**

Formaldehyde may be produced by thermal decomposition in a fire; Formaldehyde is a suspected carcinogen, toxic by inhalation, and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.

**Section 12 – Ecological information**

**HSNO Classifications:**    9.1D = Harmful to aquatic life.  
                                         9.3C = Harmful to terrestrial vertebrates.

**Environmental Precautions**

Persistence and                      Silicone content, biologically not degradable.  
Degradability

Bioaccumulation:                      No bioaccumulation predicted

Mobility in Soil                      Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded. This product hydrolyses in water or moist air, releasing methanol and organosilicons. This product contains volatile substances which may spread in the atmosphere.

Other adverse effects                      No data available

**Section 13 – Disposal considerations**

**Disposal Method:**

Spent media that has removed toxic chemicals should be examined for specific hazards. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Flammable", and that the label also has the Flammable Pictogram, waste type identifier, and the business name, address, and phone number.

**Precautions or methods to avoid:** Avoid release to the environment.

## Section 14 – Transport information

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012

|                                   | Road and Rail                                                                       | Marine Transport (IMDG)                                                              | Air Transport (IATA)                                                                  |
|-----------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>UN number</b>                  | 1263                                                                                | 1263                                                                                 | 1263                                                                                  |
| <b>UN proper shipping name</b>    | PAINT                                                                               | PAINT                                                                                | PAINT                                                                                 |
| <b>Transport hazard class(es)</b> | 3  | 3  | 3  |
| <b>Packing group</b>              | III                                                                                 | III                                                                                  | III                                                                                   |
| <b>Hazchem</b>                    | 3Y                                                                                  | 3Y                                                                                   | 3Y                                                                                    |

### Limited Quantities Statement:

If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

## Section 15 – Regulatory information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662  
 HSNO Classes: 3.1C, 6.1E(dermal), 6.3A, 6.4A, 6.8B, 6.9B, 6.9N 9.1D, 9.3C

HSNO Controls

Trigger quantities for this substance:

| HSW (HS) Regulations 2017 and EPA Notices | Trigger Quantity                         |
|-------------------------------------------|------------------------------------------|
| Certified Handler                         | Not required                             |
| Location Certificate                      | 500L(>5L), 1500L (<5L), 250L open (3.1C) |
| Tracking Trigger Quantities               | Not required                             |
| Signage Trigger Quantities                | 1000L(3.1C)                              |

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Emergency Response Plan | 10,000L (3.1C, 9.1D)                                                                  |
| Secondary Containment   | 10,000L (3.1C, 9.1D)                                                                  |
| Fire Extinguishers      | At least 2 x 4.5kg powder extinguishers required when 500L is present in a workplace. |
| Restriction of Use      | Only use for the intended purpose.                                                    |

## Section 16 – Other information

### Glossary

|         |                                                                                         |
|---------|-----------------------------------------------------------------------------------------|
| EC50    | Median effective concentration.                                                         |
| EEL     | Environmental Exposure Limit.                                                           |
| EPA     | Environmental Protection Authority                                                      |
| HSNO    | Hazardous Substances and New Organisms                                                  |
| HSW     | Health and Safety at Work.                                                              |
| LC50    | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD50    | Lethal dose to kill 50% of test animals/organisms.                                      |
| LEL     | Lower explosive level.                                                                  |
| OSHA    | American Occupational Safety and Health Administration.                                 |
| STOT/SE | Specific target organ toxicity – single exposure                                        |
| STOT/RE | Specific target organ toxicity – repeated exposure                                      |
| TEL     | Tolerable Exposure Limit.                                                               |
| TLV     | Threshold Limit Value-an exposure limit set by responsible authority.                   |
| UEL     | Upper Explosive Level                                                                   |
| WES     | Workplace Exposure Limit                                                                |

### Reference:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Issue Date: 29 April 2024  
Review Date: 29 April 2024

**Disclaimer**

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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