

**Section 1. Identification of the material and the supplier**

Product: Lightspeed  
 Product Code: Lightspeed kit: LSP15K, LSKIT  
 Product Use: Protective coating for underwater lights

**New Zealand Supplier:** Propspeed International Ltd  
 23 Akatea Road  
 Glendene  
 Auckland 0602  
[www.propspeed.com](http://www.propspeed.com)  
 Email: info@propspeed.com

Telephone: +64 9 524 1470  
 Fax: +64 9 813 5246

**Australian Supplier:** 18/5 Daintree Place,  
 West Gosford,  
 NSW 2250, Australia

Telephone: 1800 677 436

**Emergency Response Telephone:** New Zealand 0800 243 622  
 Australian 1800 127 406  
 (24 hours, 365 days) Global Access +64 4 917 9888 (ChemCall)

Date of SDS Preparation: 15 September 2021

**Section 2. Hazards Identification**

**Australia:**  
 Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

**New Zealand:**  
 This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval Code: Surface Coatings and Colourants (Flammable, Carcinogenic) – HSR002669**

**Pictograms:**



Signal Word: **Warning**

| GHS Classification and Category | Hazard Code | Hazard Statement                     |
|---------------------------------|-------------|--------------------------------------|
| Flammable Liquids Cat. 3        | H226        | Flammable liquid and vapour.         |
| Skin irritation Cat. 2          | H315        | Causes skin irritation.              |
| Eye irritation Cat. 2           | H319        | Causes serious eye irritation.       |
| Skin sensitisation Cat. 1       | H317        | May cause an allergic skin reaction. |

|                                                           |      |                                                                   |
|-----------------------------------------------------------|------|-------------------------------------------------------------------|
| Carcinogenicity Cat. 2                                    | H351 | Suspected of causing cancer.                                      |
| Reproductive toxicity Cat. 2                              | H361 | Suspected of damaging fertility or the unborn child               |
| Specific target organ toxicity – repeated exposure Cat. 2 | H373 | May cause damage to organs through prolonged or repeated exposure |

**Prevention Code          Prevention Statement**

|      |                                                                           |
|------|---------------------------------------------------------------------------|
| 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, ventilating and lighting.                 |
| P242 | Use only non-sparking tools.                                              |
| P243 | Take precautionary measures against static discharge.                     |
| P260 | Do not breathe dust, fumes, gas, mist, vapours or spray.                  |
| P264 | Wash hands thoroughly after handling.                                     |
| P272 | Contaminated work clothing should not be allowed out of the workplace.    |
| P280 | Wear protective clothing as detailed in Section 8.                        |
| P281 | Use personal protective equipment as required.                            |

**Response Code          Response Statement**

|                  |                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P314             | Get medical advice/attention if you feel unwell.                                                                                 |
| P362             | Take off contaminated clothing and wash before re-use.                                                                           |
| P302 + 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.                                                                          |
| P333 + P313      | If skin irritation or rash 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 (fog) for extinction.                                           |

**Storage Code          Storage Statement**

|             |                                              |
|-------------|----------------------------------------------|
| P405        | Store locked up.                             |
| 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 Hazardous Ingredients**

| Ingredient name                   | Cas Number | Content Weight % |
|-----------------------------------|------------|------------------|
| 1-Propanamine,3-(triethoxysilyl)- | 919-30-2   | 0.1 – 1          |
| Xylene                            | 1330-20-7  | 5 – 10           |
| Ethylbenzene                      | 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**

If in Eyes                      Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

|              |                                                                                                                                                                                                                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 skin irritation or rash occurs: Get medical advice/attention.               |
| If Swallowed | Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.                                                                                                                                                                                  |
| If Inhaled   | Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult. |

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

Symptoms:

**Ingestion:** Not applicable.

**Inhalation:** Not applicable.

**Skin:** Causes skin irritation. May cause an allergic skin reaction.

**Eye:** Causes serious eye irritation.

**Chronic:** Suspected of damaging fertility or the unborn child. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

## Section 5. Fire Fighting 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, CO <sub>2</sub> or water spray (fog). Water can 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.<br>Unsuitable: Dry powder. Do not allow extinguishing medium to contact container contents |
| <b>Precautions for firefighters and special protective clothing</b> | 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.                                                                                                                                                                                                                                                                                                                       |
| <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:

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.

- Keep container tightly closed.
- Ground, bond container and receiving equipment.
- Use explosion-proof electrical, ventilating and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust, fumes, gas, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.

**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     | CAS #       | TWA |                   | STEL |                   |
|---------------|-------------|-----|-------------------|------|-------------------|
|               |             | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Ethyl benzene | [100-41-4]  | 100 | 434               | 125  | 543               |
| Xylene        | [1330-20-7] | 50  | 217               | -    | -                 |

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 2020 12TH EDITION.

**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**



|                    |                                                                                                                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes</b>        | Tight fitting safety goggles or face shield should be used. Avoid wearing contact lenses.                                                                                                 |
| <b>Hands</b>       | Wear protective gloves, Nitrile gloves are recommended.                                                                                                                                   |
| <b>Skin</b>        | Wear impervious overalls if significant skin contact is likely to occur.                                                                                                                  |
| <b>Respiratory</b> | Suitable respiratory protection should be worn in confined spaces or in case of inadequate ventilation. A suitable respirator must be worn if during use an aerosol or mist is generated. |
| <b>General</b>     | These precautions are for handling the product in normal conditions and application techniques. This product must not be sprayed during application.                                      |
| <b>Hygiene</b>     | Exercise proper industrial hygiene practices. Wash after handling, especially before eating, smoking or drinking. Contaminated clothing should be immediately removed                     |

**Section 9 Physical and Chemical Properties**

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| <b>Appearance</b>                       | Liquid                                          |
| <b>Colour</b>                           | Translucent                                     |
| <b>Odour</b>                            | Solvent / Petrol                                |
| <b>Odour Threshold</b>                  | Not available                                   |
| <b>pH</b>                               | Not available                                   |
| <b>Boiling Point</b>                    | 136.2 – 144.4°C                                 |
| <b>Melting Point</b>                    | Not available                                   |
| <b>Freezing Point</b>                   | Not available                                   |
| <b>Flash Point</b>                      | 28.2°C                                          |
| <b>Flammability</b>                     | Not available                                   |
| <b>Upper and Lower Explosive Limits</b> | 1.1 – 7vol %                                    |
| <b>Vapour Pressure</b>                  | 1333 Pa                                         |
| <b>Relative Vapour Density</b>          | 3.7 (air=1)                                     |
| <b>Specific Gravity</b>                 | 0.94 – 1.04                                     |
| <b>Water Solubility</b>                 | Insoluble in water, soluble in organic solvents |
| <b>Partition Coefficient:</b>           | Not available                                   |
| <b>Auto-ignition Temperature</b>        | Not available                                   |
| <b>Decomposition Temperature</b>        | Not available                                   |
| <b>Viscosity @ 25°C</b>                 | 500-800cst                                      |
| <b>Particle Characteristics</b>         | Not available                                   |

**Section 10. Stability and Reactivity**

|                                           |                                                                                                                                                                                                                                                  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability of Substance</b>             | This product is stable under normal conditions.                                                                                                                                                                                                  |
| <b>Possibility of hazardous reactions</b> | Not 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:**

|                   |                                                                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Swallowed</b>  | Not triggered however 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 |
| <b>Dermal</b>     | Not applicable.                                                                                                                                                                                                                       |
| <b>Inhalation</b> | Not applicable.                                                                                                                                                                                                                       |
| <b>Eye</b>        | Causes serious eye irritation.                                                                                                                                                                                                        |
| <b>Skin</b>       | Causes skin irritation. Repeated or prolonged contact may cause defatting of the skin leading to dermatitis. May cause an allergic skin reaction.                                                                                     |

**Chronic Effects:**

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

### Ingredient Data:

#### Oral Toxicity

Xylene LD50 (mouse) =1700 mg/kg

#### Inhalation

Xylene LD50 (rat) =29.08mg/kg

### Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

|                                      |                                                                                                                                                                                                                                                                                     |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Persistence and degradability</b> | Silicone content, biologically not degradable.                                                                                                                                                                                                                                      |
| <b>Bioaccumulation</b>               | No bioaccumulation predicted.                                                                                                                                                                                                                                                       |
| <b>Mobility in Soil</b>              | 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. |
| <b>Other adverse effects</b>         | No data available                                                                                                                                                                                                                                                                   |

### Section 13. Disposal Considerations

#### Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. 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:** None known.

### Section 14 Transport Information

**Australia - This product is classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).**

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



#### Road, Rail, Sea and Air Transport

|                             |                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN No</b>                | 1263                                                                                                                                                                                                                                                    |
| <b>Class - Primary</b>      | 3                                                                                                                                                                                                                                                       |
| <b>Packing Group</b>        | III                                                                                                                                                                                                                                                     |
| <b>Proper Shipping Name</b> | PAINT                                                                                                                                                                                                                                                   |
| <b>Marine Pollutant</b>     | No                                                                                                                                                                                                                                                      |
| <b>Special Provisions</b>   | If the product's individual container is below 5L, 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****Australia:**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**New Zealand:**

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: **Surface Coatings and Colourants (Flammable, Carcinogenic) – HSR002669**

| <b>HSW (HS) Regulations 2017 and EPA Notices</b> | <b>Trigger Quantity</b>                                      |
|--------------------------------------------------|--------------------------------------------------------------|
| Certified Handler                                | Not required                                                 |
| Location Certificate                             | 500L(>5L), 1500L (<5L), 250L open                            |
| Tracking Trigger Quantities                      | Not required                                                 |
| Signage Trigger Quantities                       | 1000L                                                        |
| Emergency Response Plan                          | 1000L                                                        |
| Secondary Containment                            | 1000L                                                        |
| Fire Extinguishers                               | At least 2 x 4.5kg extinguishers required when >500L stored. |
| Restriction of Use                               | Only use for the intended purpose.                           |

**Section 16****Other Information****Glossary**

|                  |                                                                                         |
|------------------|-----------------------------------------------------------------------------------------|
| Cat              | Category                                                                                |
| EC <sub>50</sub> | Median effective concentration.                                                         |
| EEL              | Environmental Exposure Limit.                                                           |
| EPA              | Environmental Protection Authority                                                      |
| HSNO             | Hazardous Substances and New Organisms.                                                 |
| HSW              | Health and Safety at Work.                                                              |
| LC <sub>50</sub> | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD <sub>50</sub> | 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.                   |
| UEL              | Upper Explosive Level                                                                   |
| WES              | Workplace Exposure Limit                                                                |

**References:****Australia:**

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

**New Zealand:**

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 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

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

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand Manufacturer or Australian supplier, if further information is required.

Issue Date: 15 September 2021 Review Date: 15 September 2026