

# SAFETY DATA SHEET

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

Product: TS1756-8S  
Product use: LICRON Crystal  
Restriction of Use: Refer to Section 15.

New Zealand Supplier: Baskiville.com Ltd  
Address: 16 Methven Chertsey Road  
Methven  
Telephone: +64 3 302 8703  
Fax Number: +64 3 302 8706

**Emergency Telephone: 0800 764 766 (National Poison Centre)  
0274768214**

Date of SDS Preparation: 12 January 2017

## Section 2. Hazards Identification

**This substance is hazardous according to the HSNO (Minimum degrees of Hazard) Regulations 2001**

**EPA Approval No:** Aerosols (Flammable, Toxic [6.7]) – HSR002517

### Pictograms



Flammable



Health Hazard



Corrosive

Signal Word: Danger

| HSNO Classification | Hazard Code | Hazard Statement                                     | GHS Category |
|---------------------|-------------|--|--------------|
| 2.1.2A              | H222        | Extremely flammable aerosol                          | Category 1   |
| 6.3B                | H316        | Causes mild skin irritation                          | Category 3   |
| 6.7B                | H351        | Suspected of causing cancer                          | Category 2   |
| 6.8B                | H361        | Suspected of damaging fertility or the unborn child. | Category 2   |
| 8.3A                | H318        | Causes serious eye damage.                           | Category 1   |

| Prevention Code | Prevention Statement   |
|-----------------|--|
| P201            | Obtain special instruction before use.   |
| P202            | Do not handle until all safety precautions have been read and understood.          |
| P210            | Keep away from heat, sparks, open flames and other sources of ignition. No smoking |
| P211            | Do not spray on an open flame or other source of ignition                          |
| P251            | Pressurised container: Do not pierce or burn, even after use.                      |
| P280            | Wear protective gloves and eye/face protection.                                    |
| P281            | Use personal protective equipment as required.                                     |

| Response Code      | Response Statement  |
|--------------------|---|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with plenty of water. Remove contact lenses if present and easy to do. Continue rinsing. |
| P305 + P315        | IF IN EYES: Get immediate medical advice/attention.   |
| P308 + P313        | If exposed or concerned: Get medical advice/attention   |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.  |

| Storage Code | Storage Statement   |
|--------------|---|
| P405         | Store locked up   |
| P410 + P412  | Protect from sunlight. Do not expose to temperatures exceeding 50°C |

| Disposal Code | Disposal Statement  |
|---------------|---|
| P501          | Dispose of by exporting from New Zealand as waste of by treating the substance so that it is no longer hazardous. * |

\* For full details see Section 13 Disposal considerations, of this document or Section 7 (Disposal) of the Group Standard Approval, Aerosols (Flammable, Toxic [6.7]) – HSR002517

### Section 3. Composition / Information on Ingredients

| Components                       | Wt.%      | CAS Number |
|----------------------------------|-----------|------------|
| Isopropyl alcohol                | 30 – 40   | 67-63-0    |
| Propane                          | 9 – 11    | 74-98-6    |
| Butane                           | 9 – 11    | 106-97-8   |
| Butan-1-ol                       | 1 – 5     | 71-36-3    |
| (2-methoxymethylethoxy) Propanol | 0.5 – 1.5 | 34590-94-8 |
| Nitromethane                     | 0.1 – 0.2 | 75-52-5    |

Product Name: TS1756-8S  
Date issued: 12 January 2017

Issued by: Baskiville.com Ltd.  
Tel: 0508 227548

## Section 4. First Aid Measures

Routes of Exposure:

- If in Eyes: Rinse cautiously with plenty of water. Remove contact lenses if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- If on Skin: Wash with plenty of soap and water. Remove any contaminated clothing and wash before reuse. If irritation occurs, get medical advice/attention.
- If Swallowed: Rinse mouth, drink plenty of water. DO NOT induce vomiting. Get medical advice/attention immediately.
- If Inhaled: Move exposed person to fresh air. Keep warm and at rest in a position that make breathing comfortable. Get medical advice/attention.

## Section 5. Fire Fighting Measures

|  |   |
|--|---|
| <b>Hazard Type</b>   | Flammable aerosol   |
| <b>Hazards from combustion products</b>                              | Thermal decomposition or combustion may yield oxides of carbon (CO, CO <sub>2</sub> )   |
| <b>Suitable extinguishing media</b>                                  | Use an extinguishing agent suitable for the surrounding fire. No unsuitable media known.  |
| <b>Precautions for fire-fighters and special protective clothing</b> | Aerosol containers can explode when heated due to excessive pressure build up. Containers close to fire should be removed if safe to do so, or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.<br>Self contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>HAZCHEM CODE</b>  | 2YE   |

## **Section 6. Accidental Release Measures**

Wear personal protective equipment as detailed in Section 8; observe safe handling procedures as detailed in Section 7.

Stop leak if without risk, move containers from the spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth; place in a sealed container for disposal in accordance with Section 13. Contaminated absorbent material may pose the same hazard as the spilled product.

Extinguish all ignition sources. Take precautions as necessary to prevent contamination of ground and surface waters. NEVER flush to sewers/drains.

## **Section 7. Handling and Storage**

### **Precautions for handling**

- Avoid breathing gas, mist or vapours
- Store and use away from heat, sparks, open flame or any other source of ignition.
- Use explosion proof electrical equipment.
- Use only with adequate ventilation or an appropriate respirator.
- Use non-sparking tools
- Empty containers retain product residue and can be hazardous.
- Do not ingest.
- Do not pierce or burn, even after use.
- Do not get in eyes or on skin or clothing.
- Do not eat, drink or smoke while using this product.
- Protect from sunlight
- Do not expose to temperatures exceeding 50°C

### **Precautions for storage:**

- Store away from direct sunlight in a cool, well ventilated area.
- Do not expose to temperatures exceeding 50°C
- Eliminate all ignition sources.
- Store locked up

## Section 8. Exposure Controls / Personal Protection

### Workplace Exposure Standards (provided for guidance only)

| Substance                           | TWA     |                        | STEL          |                       |
|-------------------------------------|---------|------------------------|---------------|-----------------------|
| Isopropyl alcohol                   | 200ppm  | 492 mg/m <sup>3</sup>  | 400ppm        | 984 mg/m <sup>3</sup> |
| Propane                             | 1000ppm | 1800 mg/m <sup>3</sup> | Not specified |                       |
| Butane                              | 800ppm  | 1900 mg/m <sup>3</sup> | Not specified |                       |
| Butan-1-ol                          | 20ppm   | 60 mg/m <sup>3</sup>   | 50ppm         | 150 mg/m <sup>3</sup> |
| (2-methoxymethylethoxy)<br>Propanol | 100ppm  | 610 mg/m <sup>3</sup>  | 150ppm        | 910 mg/m <sup>3</sup> |
| Nitromethane                        | 20ppm   | 50 mg/m <sup>3</sup>   | Not specified |                       |

Workplace Exposure Standard – Time Weighted Average (WES – TWA). The time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard - Short-Term Exposure Limit (WES – STEL). 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.

### Engineering controls

Use only with adequate local and exhaust ventilation that will keep air contamination levels below both exposure controls and below the lower flammability limit.

### Personal Protection Equipment

|                       |   |
|-----------------------|---|
| <b>Eyes</b>           | If there is any risk of liquid splashes, mist or dusts chemical splash goggles should be worn.  |
| <b>Hands and Skin</b> | If there is any risk of skin contact suitable protective gloves and/or clothing should be used.<br>Where there is a risk of ignition from static electricity, wear anti-static protective clothing. |
| <b>Respiratory</b>    | Use an approved respirator if there is any risk of exposure limits being exceeded.  |
| <b>General</b>        | Emissions from ventilation or work process equipment should be checked to ensure they comply with all environmental protection legislation.   |

## Section 9. Physical and Chemical Properties

|  |                         |
|--|-------------------------|
| <b>Appearance</b>                          | Colourless liquid       |
| <b>Upper and Lower Flammability Limits</b> | Lower: 2%<br>Upper: 12% |
| <b>Odour</b>                               | Alcohol like            |
| <b>Odour Threshold</b>                     | Not available           |
| <b>Vapour pressure</b>                     | 33 mm Hg at 25°C        |
| <b>Vapour density</b>                      | 2.1 (air = 1)           |
| <b>pH</b>                                  | 8.5                     |
| <b>Relative Density</b>                    | 0.79                    |
| <b>Boiling Point</b>                       | 83°C                    |

|                                  |                |
|----------------------------------|----------------|
| <b>Melting Point</b>             | -90°C          |
| <b>Solubility</b>                | Not available  |
| <b>Flash Point</b>               | 11.7°C         |
| <b>Auto-ignition</b>             | 456°C          |
| <b>Partition coefficient</b>     | Not available  |
| <b>Viscosity</b>                 | Not available  |
| <b>Evaporation Rate</b>          | <1 (water = 1) |
| <b>Decomposition temperature</b> | Not available  |

## Section 10. Stability and Reactivity

|   |   |
|---|---|
| <b>Stability of Substance</b>           | Stable under normal temperatures and conditions                         |
| <b>Conditions to avoid</b>              | Avoid all possible sources of ignition                                  |
| <b>Incompatible materials</b>           | Not available   |
| <b>Hazardous Decomposition Products</b> | Thermal decomposition may yield oxides of carbon (CO, CO <sup>2</sup> ) |

## Section 11. Toxicological Information

### Acute Effects

|                   |                             |
|-------------------|-----------------------------|
| <b>Swallowed</b>  | N/A                         |
| <b>Dermal</b>     | N/A                         |
| <b>Inhalation</b> | N/A                         |
| <b>Eye</b>        | Causes serious eye damage   |
| <b>Skin</b>       | Causes mild skin irritation |

### 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> | N/A  |
| <b>Aspiration</b>             | N/A  |
| <b>STOT/SE</b>                | N/A  |
| <b>STOT/RE</b>                | N/A  |

## Section 12. Eco-toxicological Information

This product is not known to be hazardous to the environment

|                                      |  |
|--------------------------------------|--|
| <b>Persistence and Degradability</b> | N/A  |
| <b>Bioaccumulation</b>               | N/A  |
| <b>Mobility in Soil</b>              | N/A  |
| <b>Other adverse effects</b>         | No known significant effects or critical hazards |

## Section 13. Disposal Considerations

**Disposal Method:** The contents of the aerosol containers must be disposed of along with aerosol container or by purging provided that there is no ignition source in the vicinity, were the substance to ignite no person could possibly be at risk and that the concentration does not exceed any exposure limits that are in place.

The aerosol containers must be disposed of by being exported from New Zealand as waste, deposited in a landfill or by burning in an incineration plant.

Full details can be found in Section 7 of the document about the group standard, Aerosol (Flammable, Toxic [6.7]) – HSR002517

## Section 14. Transport Information

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

### Road and Rail Transport

|                      |      |
|----------------------|------|
| <b>UN No:</b>        | 1950 |
| <b>Class-primary</b> | 2.1  |
| <b>Packing Group</b> | N/A  |

### Air Transport

|                             |                     |
|-----------------------------|---------------------|
| <b>UN No:</b>               | 1950                |
| <b>Class-primary</b>        | 2.1                 |
| <b>Packing Group</b>        | N/A                 |
| <b>Proper Shipping Name</b> | AEROSOLS, flammable |

### Marine Transport

|                             |                     |
|-----------------------------|---------------------|
| <b>UN No:</b>               | 1950                |
| <b>Class-primary</b>        | 2.1                 |
| <b>Packing Group</b>        | N/A                 |
| <b>Proper Shipping Name</b> | AEROSOLS, flammable |

## Section 15. Regulatory Information

**This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001**

EPA Approval Code: HSR002517

HSNO Classification: 2.1.2A, 6.3B, 6.7B, 6.8B, 8.3A

| HSNO Controls           | Trigger Quantity               |
|-------------------------|--------------------------------|
| Approved Handler        | 3000L aggregate water capacity |
| Location Certificate    | 3000L aggregate water capacity |
| Signage                 | 1000L                          |
| Emergency Response Plan | 3000L aggregate water capacity |
| Secondary Containment   | 3000L aggregate water capacity |

## Section 16. Other Information

### Glossary

|                  |   |
|------------------|---|
| EC <sub>50</sub> | Median effective concentration.   |
| EEL              | Environmental Exposure Limit.   |
| EPA              | Environmental Protection Authority.   |
| HSNO             | Hazardous Substances and New Organisms.   |
| 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 Exposure Limit  |
| OSHA             | American Occupational Safety and Health Administration                                  |
| TEL              | Tolerable Exposure Limit  |
| TLV              | Threshold limit Value – an exposure limit set by responsible authority                  |
| UEL              | Upper Exposure Limit  |
| WES              | Workplace Exposure Limit  |

### Disclaimer:

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