

# SAFETY DATA SHEET

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

Product: TS2108-12S  
Product use: Turbo-Coat Acrylic Conformal Coating  
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: 11 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) – HSR002515

### Pictograms



Flammable

Irritant

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 2
6.4A	H319	Causes serious eye irritation	Category 2
9.1C	H412	Harmful to aquatic life with long lasting effects	Category 3

Prevention Code	Prevention Statement
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 ignition source.
P251	Pressurised container, do not pierce or burn, even after use
P264	Wash exposed skin thoroughly after handling
P273	Avoid release into the environment
P280	Wear protective gloves and eye/face protection.

Response Code	Response Statement
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
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) – HSR002515

### Section 3. Composition / Information on Ingredients

Components	Wt.%	CAS Number
1, 1, 1, 2 – Tetrafluoroethane	40 – 50	811-97-2
Propyl acetate	20 – 30	109-60-4
Acetone	10 – 20	67-64-1
Heptane	5 – 10	142-82-5
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	1 – 3	88917-22-0

## Section 4. First Aid Measures

Routes of Exposure:

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

## Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Flammable aerosol
<b>Hazards from combustion products</b>	Combustion or thermal decomposition may yield oxides of carbon (CO, CO <sub>2</sub> ) and halogenated compounds.
<b>Suitable extinguishing media</b>	Use an extinguishing media suitable for surrounding materials.
<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. 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**

Use 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.

## Section 8. Exposure Controls / Personal Protection

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

Substance	TWA	STEL
1, 1, 1, 2 – Tetrafluoroethane	1000ppm	Not specified
Propyl acetate	200ppm 835mg/m <sup>3</sup>	250ppm 1040mg/m <sup>3</sup>
Acetone	500ppm 1200mg/m <sup>3</sup>	750ppm 1800mg/m <sup>3</sup>
Heptane	400ppm 1640mg/m <sup>3</sup>	500ppm 2050mg/m <sup>3</sup>
Propanol, 1 (or 2)-(2-methoxymethylethoxy)-, acetate	100ppm 776mg/m <sup>3</sup>	150ppm 1160mg/m <sup>3</sup>

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. Keep air contamination below all exposure limits and below the lower explosion limit. Use explosion proof ventilation equipment.

### 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. 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 Explosive Limits</b>	Not available
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>Vapour pressure</b>	14.52 mm Hg at 25°C
<b>Vapour density</b>	Not available
<b>pH</b>	Not available
<b>Relative Density</b>	0.834
<b>Boiling Point</b>	39.4°C

<b>Melting Point</b>	Not available
<b>Solubility</b>	Not available
<b>Flash Point</b>	1.4°C
<b>Auto-ignition</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Stable under normal temperatures and pressures
<b>Conditions to avoid</b>	Avoid all possible sources of ignition
<b>Incompatible materials</b>	Metals, acids and oxidising materials
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Decomposition may yield oxides of carbon (CO, CO <sub>2</sub> ) and halogenated compounds.

## 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 irritation
<b>Skin</b>	Causes mild skin irritation

### Chronic Effects

<b>Carcinogenicity</b>	N/A
<b>Reproductive Toxicity</b>	N/A
<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 known to be hazardous to the environment

HSNO Classes            9.1C = Harmful to aquatic life with long lasting effects

<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.

**Propyl acetate** (CAS: 109-60-4)

96hr, LC50, Fish (*Pimephales promelas*) = 60mg/L

24hr, EC50, Crustacean (*Daphnia magna*) = 318mg/L

**Heptane** (CAS: 142-82-5)

48hr, EC50, Crustacean (*Daphnia magna*) = 1.5mg/L

## 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) – HSR002515

## 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

### 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

## Section 15. Regulatory Information

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

EPA Approval Code: HSR002515

HSNO Classification: 2.1.2A, 6.3B, 6.4A, 9.1C

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

## 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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