# SAFETY DATA SHEET

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

| | |
|---|---|
| Product: | Tensor Grip X41 Acoustic Adhesive |
| Restrictions of use: | Refer to Section 15 |
| **New Zealand Supplier:** | |
| Address: | Maxilam New Zealand Ltd<br>42 Cambridge Street South<br>Levin, 5510, New Zealand |
| Telephone: | +64 (0)6 366 0007 |
| **Emergency No:** | **0800 764 766 (National Poison Centre)** |
| **Australian Supplier:** | Maxilam Australia |
| Address: | Level 6, 10 Herb Elliot Avenue, Sydney, NSW, 2127 |
| Telephone No: | +61 2 9098 8244 |
| **Emergency No:** | **13 11 26 (National Poison Line)** |
| Date SDS Issued: | 11 March 2019 |

## 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**

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

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

**Pictograms**

Flammable | Compressed Gas | Irritant | Chronic | Ecotoxic

**SIGNAL WORD: DANGER**

| HSNO Class. | Hazard Code | Hazard Statement | GHS Category |
|---|---|---|---|
| 2.1.1A | H220 | Extremely flammable gas. | Flam. Gas 1 |
| 3.1B | H225 | Highly flammable liquid and vapour. | Flam. Liq. 2 |
| 6.1E (asp) | H304 | May be fatal if swallowed and enters airways. | Asp. Tox. 1 |

| | | | |
|---|---|---|---|
| 6.3B | H316 | Causes mild skin irritation. | Skin Irrit. 3 |
| 6.4A | H319 | Causes serious eye irritation. | Eye Irrit. 2A |
| 6.9A | H372 | Causes damage to organs through prolonged or repeated exposure. | STOT RE 1 |
| 9.1B | H411 | Toxic to aquatic life with long lasting effects. | Aquatic Chronic 2 |

| Prevention Code | Prevention Statement |
|---|---|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| 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/lighting |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe fumes, vapours or spray. |
| P264 | Wash hands thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective clothing. |

| Response Code | Response Statement |
|---|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P314 | Get medical advice/attention if you feel unwell. |
| P331 | Do NOT induce vomiting. |
| P377 | Leaking gas fire: Do not extinguish, unless leak can be stopped safely. |
| P381 | Eliminate all ignition sources if safe to do so. |
| P391 | Collect spillage. |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| 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. |
| 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 dry powder or chemical foam. – (liquid only) |

| 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 the local authorities |

## Section 3. Composition of hazardous Ingredients

| Ingredients | Wt% | CAS NUMBER. |
|---|---|---|
| Dimethyl ether | 30-60 | 115-10-6 |
| N'Hexane | 30-60 | 110-54-3 |
| Acetone | 5-10 | 67-64-1 |

## Section 4. First Aid Measures

Routes of Exposure:

| | |
|---|---|
| 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. |
| If on Skin | Remove/Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If adhesive bonding occurs, do not force skin apart. If skin irritation occurs: Get medical advice/ attention. |
| If Swallowed | DO NOT induce vomiting. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. |
| 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. Get medical advice if breathing becomes difficult. |

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

Symptoms:

| | |
|---|---|
| Ingestion: | Aspiration hazard if swallowed. May be fatal if swallowed and enters airways. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May Cause the following effects: Gastrointestinal symptoms, including upset stomach. Central nervous system depression. Nausea, vomiting. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. |
| Inhalation: | May cause coughing and difficulties in breathing. May cause eye and respiratory system irritation. Overexposure may depress the central nervous system, causing dizziness and intoxication. |
| Skin: | May be absorbed through the skin. Product has a defatting effect on skin. The liquid is irritating to eyes and skin. A single exposure may cause the following adverse effects: Dryness and/or cracking. |
| Eye: | Causes serious eye irritation. Burns can occur. A single exposure may cause the following adverse effects: Pain. Conjunctivitis, irritation, tearing. Prolonged or repeated exposure may cause the following adverse effects: Irritation of eyes and mucous membranes. Prolonged contact causes serious eye and tissue damage. |

## Section 5. Fire Fighting Measures

| | |
|---|---|
| **Hazard Type** | The product is extremely flammable. Pressurized container: Must not be exposed to temperatures above 50°C. Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. |
| **Hazards from products** | Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride (HCl). Nitrous gases (NOx). |
| **Suitable Extinguishing media** | Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Do not use water jet as an extinguisher, as this will spread the fire. |
| **Precautions for firefighters and special protective clothing** | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |
| **HAZCHEM CODE** | **2YE** |

## Section 6. Accidental Release Measures

For personal protection, see Section 8. No smoking, sparks, flames or other sources of ignition near spillage. Evacuate all unnecessary personnel.

Do not discharge into drains or watercourses or onto the ground.

Avoid discharge into drains. Contain spillage with sand, earth or other suitable non-combustible material. Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## Section 7. Handling and Storage

**Handling:**

- Read label before use.
- 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/lighting
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective clothing.
- Avoid contact with skin and eyes.
- Provide adequate ventilation.
- Use approved respirator if air contamination is above an acceptable level.
- Wear protective clothing.

**Storage:**

- Store locked up.
- Keep away from children.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- Isolate from incompatible materials detailed in Section 10.
- Keep containers tightly closed, in a cool, well ventilated place.

## Section 8 Exposure Controls / Personal Protection

**Exposure Limit Values:**

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

| | TWA | | STEL | |
|---|---|---|---|---|
| **Substance** | **ppm** | **mg/m³** | **ppm** | **mg/m³** |
| Dimethylether (2001) [115-10-6] | 400 | 766 | 500 | 958 |
| Acetone (bio) [67-64-1] | 500 | 1,185 | 1,000 | 2,375 |
| Hexane (n-Hexane) (bio) [110-54-3] | 20 | 500 | - | - |
| Other isomers | 72 | 1,760 | 1,000 | 3500 |

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 2017 9TH EDITION.

**Engineering Controls**

This product must not be handled in a confined space without adequate ventilation. Avoid inhalation of vapours and spray/mists. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

**Personal Protection Equipment**

| | |
|---|---|
| **Eyes** | Chemical splash goggles or face shield. Avoid wearing contact lenses. |
| **Hands and Skin** | Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. |
| **Respiratory** | Use protective gloves. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. |
| **General** | If exposure levels are likely to be exceeded, use a half face mask fitted with an organic vapor filter for short term low level exposures. For long term or high level exposures, a supplied air respirator should be used. |

## Section 9 Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | Aerosol (canister) |
| **Colour** | Green |
| **Odour** | Not available |
| **Odour Threshold** | Not available |
| **pH** | Not available |
| **Boiling Point** | Not available |
| **Melting Point** | Not available |
| **Freezing Point** | Not available |
| **Flash Point** | Not available |
| **Flammability** | Not available |
| **Upper and Lower Explosive Limits** | Not available |
| **Vapour Pressure** | Not available |
| **Bulk Density** | Not available |
| **Relative Density** | Not available |
| **Solubility in water** | Not available |
| **Partition Coefficient:** | Not available |
| **Auto Ignition temp** | Not available |
| **Oxidising** | Not available |
| **Viscosity** | Not available |
| **Volatile organic compound** | Not available |

## Section 10. Stability and Reactivity

| | |
|---|---|
| **Stability of Substance** | Stable at normal ambient temperatures and when used as recommended. |
| **Conditions to Avoid** | Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Oxidising agents. Reducing agents. |

| | |
|---|---|
| **Incompatible Materials** | Oxidising agents. Reducing agents. |
| **Hazardous Decomposition Products** | Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride (HCl). Nitrous gases (NOx). |

## Section 11 Toxicological Information

**Acute Effects:**

| | |
|---|---|
| **Swallowed** | Not applicable. |
| **Dermal** | Not applicable. |
| **Inhalation** | Not applicable. |
| **Eye** | Causes severe eye irritation. |
| **Skin** | Causes mild skin irritation. |

**Chronic Effects:**

| | |
|---|---|
| **Carcinogenicity** | Not applicable. |
| **Reproductive Toxicity** | Not applicable. |
| **Germ Cell Mutagenicity** | Not applicable. |
| **Aspiration** | May be fatal if swallowed and enters airways. |
| **STOT/SE** | Not applicable. |
| **STOT/RE** | Causes damage to organs through repeated or prolonged exposure. |

## Section 12. Ecotoxicological Information

**New Zealand:** HSNO Classes: 9.1B = Toxic to aquatic life with long lasting effects.

| | |
|---|---|
| **Persistence and degradability** | No data available |
| **Biodegradation** | No data available |
| **Bioaccumulation** | No data available |
| **Mobility in Soil** | No data available |
| **Other adverse effects** | No data available |

Do not allow to enter waterways.

## Section 13. Disposal Considerations

Disposal Method: Empty packaging completely prior to disposal. Do not pierce or burn, even after use. Place any recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations.

Precautions: Ensure waste container containing recovered product is labelled “Hazardous Waste – Flammable and Ecotoxic”. Do not allow to enter waterways.

## Section 14 Transport Information

This product is classified as a Dangerous Good for transport in Australia; ADG 7
This product is classified as a Dangerous Good for transport: NZS 5433:2012

Road and Rail Transport

| | |
|---|---|
| Un No | 3501 |
| Class-primary | 2.1 |
| Packing Group | None Allocated |
| Proper Shipping Name | CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (DIMETHYL ETHER) |

Air Transport

| | |
|---|---|
| Un No | 3501 |
| Class-primary | 2.1 |
| Packing Group | None Allocated |
| Proper Shipping Name | CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (DIMETHYL ETHER) |

Marine Transport

| | |
|---|---|
| Un No | 3501 |
| Class-primary | 2.1 |
| Packing Group | None Allocated |
| Proper Shipping Name | CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (DIMETHYL ETHER) |

## 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.

Classified as a Schedule 5 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 2017

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

HSNO Classification: 2.1.1A, 3.1B, 6.1E(asp), 6.3B, 6.4A, 6.9A, 9.1B

**HSNO Controls in New Zealand**:

Trigger quantities for this substance:

| | **Trigger Quantity** |
|---|---|
| Certified Handler | Not required |
| Location Certificate | 100kg (2.1.1A) |
| Tracking Trigger Quantities | Not required |
| Signage Trigger Quantities | 250kg (2.1.1A) |
| Emergency Response Plan trigger Quantities | 300kg (2.1.1A) |
| Secondary Containment trigger Quantities | 300kg (2.1.1A) |
| Restrictions of use | None |

## Section 16 Other Information

### Glossary

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

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

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