Glue Guru

SAFETY DATA SHEET

SDS 3113

Section 1. Identification of the material and the supplier

Product:	CANTAC ROOF-TAC (Sprayable Contact Adhesive)	
Product Use:	Adhesive for industrial use.	
Restriction of Use:	Refer to Section 15	
New Zealand Supplier:	Glue Guru	Equus Industries Ltd
Address:	18 Kaimahi Road Wairau Valley, Auckland	4 Sheffield Street, Riverlands Estate Blenheim, Marlborough 7274
Telephone:	09 444 4878	03 578 0214
Fax Number:	09 442 5975	admin@equus.co.nz
NZ Emergency No:	**0800 764 766(National Poison Centre)**	
Date SDS Issued:	11 November 2020	

Section 2. Hazards Identification

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

New Zealand Group Standard & EPA Approval Code:
Canister = Surface Coatings and Colourants (Toxic [6.7]) = HSR002679

Pictograms

Signal Word: **DANGER**

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
2.1.1A	H220	Extremely flammable gas.	Flam. Gas 1
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.7B	H351	Suspected of causing cancer	Carc. 2
6.9B	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
9.3C	H433	Harmful to terrestrial vertebrates.	None allocated

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.
P260	Do not breathe fumes, gas, vapours or 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**
P314	Get medical advice/attention if you feel unwell.
P362	Take off contaminated clothing and wash before re-use.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381	Eliminate all ignition sources if safe to do so.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.

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

Disposal Code	**Disposal Statement**
P501	Dispose of according to the local authorities

Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Dichloromethane	<25	75-09-2
Propane/Isobutane Propellant	Proprietary	74-98-6 75-28-5

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/attention. If frostbite, call a physician.

If on Skin — IF ON SKIN (or hair): In case of contact with liquid, thaw frosted parts with water. Do not attempt to remove clothing which has stuck to the skin. Wash affected area with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Call a POISON CENTER/doctor.

If Swallowed — IF SWALLOWED: Do NOT induce vomiting. If vomiting occurs turn patient on side. IF exposed or concerned: Call a POISON CENTER/doctor.

If Inhaled — Remove persons affected by vapour to fresh air. Apply artificial respiration if patient is not breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Most important symptoms and effects, both acute and delayed:
Symptoms:

Ingestion:	Not applicable.
Inhalation:	May cause drowsiness or dizziness.
Skin:	Causes skin irritation. Do not attempt to remove clothing that adheres to the skin due to freezing.
Eye:	Causes serious eye irritation.
Chronic:	Suspected of causing cancer May cause damage to organs through prolonged or repeated exposure
Notes to Doctor:	Upon exposure to Dichlormethane: Do not administer any preparations of the adrenaline-ephedrine group.

Section 5. Fire Fighting Measures

Hazard Type	Flammable aerosol canister
Hazards from products	In case of fire, stop leak if safe to do so. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. May decompose in a fire, giving off toxic and irritant vapours. Hazardous decomposition product(s): Hydrogen chloride, carbon oxides, Phosgene, Chlorine
Suitable Extinguishing media	Water spray, foam, dry powder or CO2 Do not use water jet. Direct water jet may spread the fire.
Precautions for firefighters and special protective clothing	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. If possible, remove containers before using water. Keep containers cool by spraying with water if exposed to fire.
HAZCHEM CODE	**2YE**

Section 6. Accidental Release Measures

Avoid all contact. Use personal protective equipment as detailed in Section 8. Avoid breathing gas. Ensure adequate ventilation. Remove all ignition sources. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Remove clothing and wash thoroughly before use. In case of contact with liquid, thaw frosted parts with water, remove clothing carefully and wash with soap & water. Isolate the area and allow vapours to disperse. For large spills evacuate the area and keep personnel upwind.

Do not allow to enter drains, sewers or watercourses. Contain the spillage. Any large spillage into watercourses must be alerted to the regulatory authority responsible for environmental protection or other regulatory body.

Allow small spillages to evaporate provided there is adequate ventilation. Do not pierce or burn container, even after use. Containers of this material may be hazardous when empty since they retain product residue. Dispose as per Section 13.

Section 7. Handling and Storage

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.
- Do not breathe gas.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area. Ensure operatives are trained to minimise exposures.
- Contaminated clothing should be thoroughly cleaned.

- Do not eat, drink or smoke at the work place.
- Keep from direct sunlight.
- Do not spray on an open flame or other ignition source.
- Ground/bond container and receiving equipment.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8 and avoid direct contact.
- Use personal protective equipment as required.

Storage:
- Store locked up.
- Store in a cool place.
- Store in a well-ventilated place. Keep container tightly closed.
- Keep in the original container.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Store at room temperature.
- Do not store with acids, bases, strong oxidizing agents. Avoid contact with alkali metals.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
Dichloromethane	[75-09-2]	50	174	-	-
Propane	[74-98-6]	Simple asphyxiant – may present an explosion hazard			

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 2019 11TH EDITION.

Engineering Controls
Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated.

Personal Protection Equipment

Eyes	Eye protection with side protection (EN 166)
Hands	Wear impervious gloves (EN374).
Skin	Wear suitable coveralls to prevent exposure to the skin.
Respiratory	In case of inadequate ventilation wear respiratory protection. A suitable mask with filter type AX may be appropriate.
General	Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing gas. IF exposed: Wash immediately with water. Wash contaminated clothing before reuse. Do not eat, drink or smoke at the work place.

Section 9 Physical and Chemical Properties

Appearance	Blue

Odour	Solvent
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	40°C
Melting Point	-97 °C - lit.
Freezing Point	Not applicable
Flash Point	-90 °C - closed cup
Flammability	Not applicable
Upper and Lower Explosive Limits	12 – 19%
Vapour Pressure	70psig @ 21.1C
Vapour Density	(AIR =1) 2.15
Relative Density	1.3 g/mL at 25 °C
Solubilities	insoluble
Partition Coefficient: n-octanol/water;	log Pow: 1.25
Auto-ignition Temperature	>556.1°C
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No data available
Conditions to Avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep from direct sunlight. Keep away from: Elevated temperature. Do not spray on an open flame or other ignition source.
Incompatible Materials	Acids, Bases, Strong oxidising agents. Avoid contact with alkali metals.
Hazardous Decomposition Products	May decompose in a fire, giving off toxic and irritant vapours. Hazardous decomposition product(s): Hydrogen chloride, carbon oxides, Phosgene, Chlorine

Section 11 Toxicological Information

Acute Effects:

Oral	Not applicable. LD 50 = 5640mg/kg
Dermal	Not applicable.
Inhalation	Causes dizziness and drowsiness.
Eye	Causes severe irritation to eyes.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.

Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Causes damage to organs through prolonged or repeated exposure.

Individual component information:
Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Dichloromethane (75-09-2)	1410 mg/kg (rat)	>2000mg/kg (Rat)	52 mg/L/4h (Rat)

Section 12. Ecotoxicological Information

HSNO Classes: 9.3C = Harmful to terrestrial vertebrates.

Persistence and degradability	Biodegradability Result: < 26 % - Not readily biodegradable. (OECD Test Guideline 301C)
Bioaccumulation	The product has no potential for bioaccumulation.
Mobility in Soil	No data available
Other adverse effects	No data available

Toxicity:
Product: Estimated LC50 (96 hour) > 100 mg/l (Fish)
Dichloromethane: LC50 (Fathead minnow) 193.00 mg/l – 96h

Do not allow to enter waterways.

Section 13. Disposal Considerations

Dispose of this material and its container to hazardous or special waste collection point.
Precautions or conditions to avoid. Do not pierce or burn container, even after use.

Section 14 Transport Information

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

Road, Rail, Sea and Air Transport

UN No	3501
Class - Primary	2.1
Packing Group	Not assigned
Proper Shipping Name	CHEMICALS UNDER PRESSURE FLAMMABLE, N.O.S (contains propane and isobutene)
Marine Pollutant	No

Section 15 Regulatory Information

EPA Approval Code:
Canister:
Surface Coatings and Colourants (Toxic [6.7]) – HSR002679

HSNO Classification: 6.3A, 6.4A, 6.7B, 6.9B, 6.9N, 9.3C
Propellant: 2.1.1A

	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:

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 issued by the Glue Guru and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to the Glue Guru 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 Glue Guru 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, Glue Guru 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 New Zealand distributor, Glue Guru, if further information is required.

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