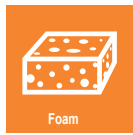


# C19N NON-FLAM PRESSURE SENSITIVE ADHESIVE

DATA SHEET  
**TensorGrip®**



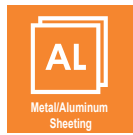
Foam



Timber/Wood



Fabric



Metal/Aluminum Sheetting



Plastics



As part of our **CONSTRUCTION** range, **C19N** is a web spray adhesive designed for use in applications using the substrates listed.

## PRODUCT DESCRIPTION

**TensorGrip® C19N** is a medium pressure-sensitive adhesive, offering fast dry and excellent repositionability. This adhesive is the answer for temporary or permanent bonds.

### ADVANTAGES

- 100% Non-flammable
- VOC free
- Single-sided or Double-sided
- Fast dry, high tack, long open time
- 80% of final strength immediately
- Repositionable
- Good heat resistance (up to 215°F/101°C)
- Excellent green strength and high heat resistance
- No ODS (Ozone Depleting Substances)

## DIRECTIONS FOR USE

- **TensorGrip® C19N** is designed as a portable, self-contained spray system for field or shop applications.
- Apply adhesive to one or both surfaces to be mated, at 80% to 100% coverage. Spraying both surfaces will result in a stronger, more permanent bond.
- Allow enough time (2-4 minutes or until dry to the touch) for the adhesive to become tacky before bonding.
- Parts should be mated with as much pressure as practical. Normal coverage required with web spray pattern is approximately 80%; however, porous surfaces may need a second coat.
- Initial bond is strong enough to allow cutting or trimming immediately, although ultimate strength is achieved in 1-3 days.
- Canister system will spray adequately above 60° F. Canister system should be kept in warm area. In the event that the canister gets abnormally chilled, freezes or gives poor or sputtering spray, it should be warmed up before continued usage. Warming canister by immersion in warm water is recommended.
- Notice!!! Do not store at temperatures over 120° F.

### CANISTER STORAGE/CHANGE OVER

- If you choose to leave the hose and spray gun on the canister, leave the valve on the canister open. Do not disconnect the hose/gun from the canister. Close and lock the spray gun.
- To change or disconnect canister: turn canister valve to the off position, spray out remaining adhesive left in the hose, disconnect the spray hose and gun from the canister.
- Reconnect the spray hose to a new canister of adhesive. OR if you are NOT connecting to a new canister, connect hose to canister of cleaning solvent (sold separately) and spray out until liquid is clear which indicates that the hose and gun is clean.

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# CI9N

# NON-FLAM PRESSURE SENSITIVE ADHESIVE

## DATA SHEET

# Tensorgrip®

## CHEMICAL TECHNICAL DATA

### TYPICAL PROPERTIES

- Total Solids 22-28%
- VOC Content 0 g/L
- Color Blue, Clear
- System Flammability 100% Non-Flammable
- Solvent System Methylene Chloride
- Dry time 3-5 mins dependent on temp & humidity
- Open time Long
- Shelf Life 18 months from date of manufacture

### PACKAGING

- 7L Disposable Canister
- 22L Disposable Canister
- 108L Returnable Canister
- 216L Returnable Canister

## STORAGE

### HANDLING & STORAGE

- Consult Material Safety Data Sheet prior to use.
- Do not store at temperatures over 120°F/50°C.
- Avoid exposure to direct sunlight.
- Do not store directly on concrete floor.
- Always store above 60°F/15°C
- When connected, keep valve open and hose pressurized at all times
- Always test our adhesives to determine suitability for your particular application prior to use in production

DISCLAIMER OF WARRANTY: Quin Global makes neither warranty of merchantability or fitness for any use nor any other warranty, express or implied, in the sales of its products. Buyer assumes all risk and liability for the results obtained by the use of its products, whether used singly or in combination with other products.

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**SAFETY DATA SHEET**  
**TensorGrip C19N Non-Flam Pressure Sensitive Adhesive**

### 1. Identification

#### Product identifier

**Product name** TensorGrip C19N Non-Flam Pressure Sensitive Adhesive

**Product number** USA

#### Recommended use of the chemical and restrictions on use

**Application** Canister Spray Adhesive

#### Details of the supplier of the safety data sheet

**Supplier** Quin Global  
 5710 F St  
 (402) 731 3636  
 (402) 731 1473  
 marketing.us@quin-global.com

#### Emergency telephone number

**Emergency telephone** Chemtrec: 1 800 424 9300

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards** Aerosol 3 - H229 Press. Gas, Compressed - H280

**Health hazards** Acute Tox. 3 - H301 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Carc. 2 - H351 STOT SE 3 - H335, H336 STOT RE 2 - H373

**Environmental hazards** Not Classified

**Human health** The liquid may be irritating to eyes, respiratory system and skin. Symptoms following overexposure may include the following: Headache. Dizziness. Nausea, vomiting.

#### Label elements

##### Pictogram



##### Signal word

Danger

## TensorGrip C19N Non-Flam Pressure Sensitive Adhesive

<b>Hazard statements</b>	<p>H280 Contains gas under pressure; may explode if heated.</p> <p>H301 Toxic if swallowed.</p> <p>H312 Harmful in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H351 Suspected of causing cancer.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>
<b>Precautionary statements</b>	<p>P251 Pressurized container: Do not pierce or burn, even after use</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P308+P313 If exposed or concerned: Get medical advice/ attention.</p> <p>P405 Store locked up.</p> <p>P410+P403 Protect from sunlight. Store in a well-ventilated place.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p>
<b>Contains</b>	Methylene Chloride
<b>Other hazards</b>	

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<b>Methylene Chloride</b>	<b>60-100%</b>
CAS number: 75-09-2	
<b>Classification</b>	
Acute Tox. 3 - H301	
Acute Tox. 4 - H312	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
Unknown Classification	
Unknown Classification	
Unknown Classification	
Carc. 2 - H351	
Unknown Classification	
STOT SE 3 - H335, H336	
STOT RE 2 - H373	

The full text for all hazard statements is displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

## TensorGrip C19N Non-Flam Pressure Sensitive Adhesive

<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
<b>Skin Contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Only remove contact lenses if the person is conscious, coherent and they can remove them themselves. If adhesive bonding occurs, do not force eyelids apart. Continue to rinse for at least 15 minutes. If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.
<b>Inhalation</b>	Irritating to respiratory system. Irritation of nose, throat and airway. Headache.
<b>Ingestion</b>	Gastrointestinal symptoms, including upset stomach. Stomach pain. Nausea, vomiting. Diarrhea.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	May cause eye irritation. Prolonged contact may cause redness and/or tearing.

### Indication of immediate medical attention and special treatment needed

#### 5. Fire-fighting measures

##### Extinguishing media

##### Special hazards arising from the substance or mixture

**Specific hazards** Pressurized container: Must not be exposed to temperatures above 50°C/120°F. Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Hydrocarbons. Aldehydes.

##### Advice for firefighters

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

#### 6. Accidental release measures

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** For personal protection, see Section 8.

##### Environmental precautions

**Environmental precautions** Avoid discharge into drains. Contain spillage with sand, earth or other suitable non-combustible material.

##### Methods and material for containment and cleaning up

**Methods for cleaning up** Stop leak if possible without risk. Provide adequate ventilation. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

#### 7. Handling and storage

##### Precautions for safe handling

## TensorGrip C19N Non-Flam Pressure Sensitive Adhesive

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level. Container must be kept tightly closed when not in use.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep container tightly closed. Keep only in the original container. Pressurized container: Must not be exposed to temperatures above 50°C/120°F

### Specific end uses(s)

#### 8. Exposure Controls/personal protection

##### Control parameters

##### Occupational exposure limits

##### **Methylene Chloride**

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm  
A3

Short-term exposure limit (15-minute): OSHA 125 ppm

Long-term exposure limit (8-hour TWA): OSHA 25 ppm

ACGIH = American Conference of Governmental Industrial Hygienists.  
A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.  
OSHA = Occupational Safety and Health Administration.

##### Exposure controls

##### **Protective equipment**



##### **Appropriate engineering controls**

This product must not be handled in a confined space without adequate ventilation. Provide adequate general and local exhaust ventilation.

##### **Eye/face protection**

Wear chemical splash goggles.

##### **Hand protection**

Use protective gloves.

##### **Other skin and body protection**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

##### **Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

##### **Respiratory protection**

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used.

#### 9. Physical and Chemical Properties

##### Information on basic physical and chemical properties

**Appearance** Aerosol. Liquid  
**Color** Clear. Blue.  
**Odor** Organic solvents.

## TensorGrip C19N Non-Flam Pressure Sensitive Adhesive

<b>Relative density</b>	~ 1.22
<b>Solubility(ies)</b>	Negligibly soluble in water
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 0 g/l.

### 10. Stability and reactivity

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Oxidizing agents. Reducing agents.
<b>Materials to avoid</b>	May cause oxidation with: Aluminum.
<b>Hazardous decomposition products</b>	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Aldehydes. Hydrocarbons.

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg) 145.81510645

##### Acute toxicity - dermal

ATE dermal (mg/kg) 1,603.9661709

##### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 16.03966171

#### Toxicological information on ingredients.

##### Methylene Chloride

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,000.0

Species Rat

ATE oral (mg/kg) 100.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.0

Species Rat

ATE dermal (mg/kg) 1,100.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 52.0

Species Rat

ATE inhalation (vapours mg/l) 11.0

## TensorGrip C19N Non-Flam Pressure Sensitive Adhesive

### Carcinogenicity

**Carcinogenicity** Cancinogenicity - rat - inhalation Limited evidence of carcinogenicity in animal studies

**Target organ for carcinogenicity** Tumerigenic: Carcinogenic by RTECS criteria. Endocrine: Tumors

**IARC carcinogenicity** IARC Group 2B Possibly carcinogenic to humans.

**NTP carcinogenicity** Reasonably anticipated to be a human carcinogen.

### Specific target organ toxicity - single exposure

**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Inhalation - May cause damage to organs through prolonged or repeated exposure  
-Central nervous system Oral - May cause damage to organs through prolonged or repeated exposure  
-Liver, blood.

**General information** RTECS: PA8050000

## 12. Ecological Information

### Toxicity

### Persistence and degradability

### Bioaccumulative potential

### Mobility in soil

### Results of PBT and vPvB assessment

### Other adverse effects

## 13. Disposal considerations

### Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 14. Transport information

**Air transport notes** 1. <75kg, 2. <150kg

### UN Number

**UN No. (TDG)** 3500

**UN No. (ICAO)** 3500

**UN No. (DOT)** 3500

### UN proper shipping name

**Proper shipping name (TDG)** Chemical Under Pressure, N.O.S. (Air, Compressed)

**Proper shipping name (DOT)** Chemical Under Pressure, N.O.S. (Air, Compressed)

### Transport hazard class(es)

**TDG class** 2

**TDG label(s)** 2.2



## TensorGrip C19N Non-Flam Pressure Sensitive Adhesive

### Transport labels



### Packing group

Not applicable.

### Environmental hazards

### Special precautions for user

## 15. Regulatory information

### International Regulations

#### Inventories

##### US - TSCA

The following ingredients are listed or exempt:

*Methylene Chloride*

## 16. Other information

<b>Revision date</b>	9/30/2016
<b>Revision</b>	1
<b>Supersedes date</b>	10/7/2015
<b>SDS No.</b>	21865
<b>Hazard statements in full</b>	H280 Contains gas under pressure; may explode if heated. H301 Toxic if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.
<b>ACA HMIS Health rating.</b>	Moderate hazard. (2)
<b>ACA HMIS Flammability rating.</b>	Will not burn. (0)
<b>ACA HMIS Physical hazard rating.</b>	Normally stable. (0)
<b>ACA HMIS Personal protection rating.</b>	B

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