

L99N NON-FLAM NON-MECL CONTACT ADHESIVE

DATA SHEET
TensorGrip®



Standard Laminate



Metal/Aluminum
Sheeting



MDF
(Fiberboard/Chipboard)



Plastics



As part of our **WOODWORKING** range, **L99N** is a web spray adhesive designed for using the substrates listed above.

PRODUCT DESCRIPTION

TensorGrip® L99N is a completely non flammable, non methylene chloride canister adhesive. Multi purpose with excellent bond to unsanded melamine, difficult to bond foams such as memory foam and polyurethane foam and many other substrates.

ADVANTAGES

- Non-Flammable
- Non-Methylene Chloride
- High Heat Resistance
- Lowest VOC content of Non-Flam, Non-Methylene Chloride Adhesives
- 100% Adhesive Transfer to substrate
- Fully Portable System

DIRECTIONS FOR USE

- **TensorGrip® L99N** is designed as a portable, self-contained spray system for field or shop applications.
- Apply adhesive to both surfaces to be mated, at 80% to 100% coverage.
- 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 canister valve in the open position. 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 from the hose, disconnect the hose and spray gun from the canister.
- *Reconnect the hose and spray gun to a new canister of adhesive and turn the canister valve to re-pressurize. Or if you are NOT connecting to a new canister, connect hose to canister of cleaner (sold separately) and spray out until liquid is clear as the indication the hose/gun is clean.

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CHEMICAL TECHNICAL DATA

TYPICAL PROPERTIES

- Total Solids 22-28%
- VOC Content 317 g/L
- Color Clear or Blue
- System Flammability Non-Flammable
- Solvent System Non-Flammable
- Dry time 2-4 mins dependent on temp & humidity
- Open time Long
- Shelf Life 12 months from date of manufacture

PACKAGING

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

STORAGE

HANDLING & STORAGE

- Consult 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

Application Tools Part Number

Canister Sizes

		7L	22L	108L	216L
Hoses	M140-8 (8')	x			
	M140-12 (12')		x	x	x
	M140-18 (18')		x	x	x
	M140-25 (25')			x	x
	M140-36 (36')				x
	M140-50 (50')				x
Spray Gun	M120 (Standard Gun)	x	x	x	x
Spray Tips	M201 (1"-5" Low/Med Build Spray Pattern)	x	x	x	x
	11001B (2"-12" Med Build Spray Pattern)	x	x	x	x
Hose Splitter	M300 (2 way Splitter with 1 cap)			x	x

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SAFETY DATA SHEET

L99N Tensorgrip Non-Flam Non Mecl Contact Adhesive Canister

1. Identification

Product identifier

Product name L99N Tensorgrip Non-Flam Non Mecl Contact Adhesive Canister

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 US, Inc.
5710 F St
Omaha NE 68117
(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 Press. Gas, Compressed - H280

Health hazards Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 STOT SE 3 - H335

Environmental hazards Aquatic Chronic 3 - H412

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

Hazard symbols



Signal word Warning

Hazard statements H280 Contains gas under pressure; may explode if heated.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing. 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.
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Other hazards

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

3. Composition/information on ingredients

Mixtures

Trans-1,2-DCE CAS number: 156-60-5	30-60%
(E)-1-Chloro-3,3,3-trifluoropropene-1 CAS number: 102687-65-0	10-25%

hydrocarbons

hydro carbons

4. First-aid measures

Description of first aid measures

General information	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.
Inhalation	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.
Ingestion	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.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	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

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.
Ingestion	Aspiration hazard if swallowed. May be fatal if swallowed and enters airways. Ingestion may cause severe irritation of the mouth, the esophagus 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.

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Skin contact	May be absorbed through the skin. Product has a defatting effect on skin. The product is irritating to eyes and skin. A single exposure may cause the following adverse effects: Dryness and/or cracking.
Eye contact	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.

5. Fire-fighting measures

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.
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Advice for firefighters

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

Personal precautions, protective equipment and emergency procedures

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

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

Precautions for safe handling

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.
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Advice on general occupational hygiene	Do not eat, drink or smoke when using this product.
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Conditions for safe storage, including any incompatibilities

Storage precautions	Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container. Pressurized container: Must not be exposed to temperatures above 50°C/120°F
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8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Trans-1,2-DCE

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm
 Long-term exposure limit (8-hour TWA): OSHA 200 ppm
 OSHA = Occupational Safety and Health Administration.

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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 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.

Color Clear. Blue.

Volatile organic compound This product contains a maximum VOC content of 317 g/l.

10. Stability and reactivity

Stability Stable at normal ambient temperatures and when used as recommended.

Conditions to avoid Avoid contact with the following materials: Oxidizing agents. Exposure to elevated temperatures can cause product to decompose.

Hazardous decomposition products Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

11. Toxicological information

Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Toxicological information on ingredients.

Trans-1,2-DCE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,391.0

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Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.0

Species Rabbit

ATE dermal (mg/kg) 5,000.0

(E)-1-Chloro-3,3,3-trifluoropropene-1

Skin corrosion/irritation

Skin corrosion/irritation Prolonged and frequent contact may cause redness and irritation.

Serious eye damage/irritation

Serious eye damage/irritation There may be irritation and redness. The eyes may water profusely.

Inhalation Prolonged or repeated exposure may cause the following adverse effects:
Coughing, chest tightness, feeling of chest pressure.

Ingestion Irritating to mouth, throat and stomach.

12. Ecological information

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

Transport labels



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Packing group

Packing group (International) Not applicable.

15. Regulatory information

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

Guidance CHIP for everyone HSG228.
Workplace Exposure Limits EH40.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Present.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Present.

SARA 313 Emission Reporting

Present.

SARA (311/312) Hazard Categories

Present.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

New Jersey "Right To Know" List

Present.

Pennsylvania "Right To Know" List

Present.

Inventories

Canada - DSL/NDSL

Present.

US - TSCA

Present.

16. Other information

Revision date 12/1/2017

Revision 5

Supersedes date 8/20/2015

SDS No. 22794

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Hazard statements in full H280 Contains gas under pressure; may explode if heated.
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ACA HMIS Health rating. Moderate hazard. (2)

ACA HMIS Flammability rating. Will not burn. (0)

ACA HMIS Physical hazard rating. Normally stable. (0)

ACA HMIS Personal protection rating. B

DIRECTIONS FOR USE

PRODUCT LOGO

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, many of which are solely within the user's knowledge and control, the user is responsible for determining whether the usage of this product is fit for a particular purpose and suitable for the user's method of use or application. It is essential that the user, not the manufacturer, evaluates this product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.