

# Material Safety Data Sheet

## COMPANY INFORMATION



5710 "F" Street  
Omaha, NE 68117

PH # 1.402.731.3636  
FX # 1.402.731.1473

**EMERGENCY # 1.800.424.9300  
(Chemtrec)**

## 1. PRODUCT INFORMATION

### PRODUCT NAME

Tensorgrip® L10N

### DESCRIPTION

Non-Flammable Contact Adhesive

**MSDS Issue Date:** December 05, 2012

**Supersedes:** New

## 2. HAZARDOUS INGREDIENTS

Hazardous Components	Chemical Identity	%
Methylene Chloride	CAS# 75-09-2	60-70
1,1,1,2-Tetraflouroethane	CAS# 811-97-2	<10%

## 3. HAZARDS IDENTIFICATION

### 3.1 EMERGENCY OVERVIEW

**Immediate Health, Physical and Environmental Hazards:** Containers exposed to high heat from fire or other sources may build pressure and explode.

Contains a chemical which may cause cancer. May cause target organ effects.

### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Effects:** May cause eye irritation. Signs/Symptoms may include redness, swelling, tearing, and/or blurred vision.

**Skin Contact:** May cause Skin Irritation. Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Inhalation:** Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose or throat pain.

Intentional concentration and inhalation may be harmful or fatal.

May be absorbed following inhalation and cause target organ effects.

**Ingestion:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

**Target Organ Effects:**

Central Nervous System (CNS) Depression: Signs/Symptoms may include headache, dizziness, drowsiness, nausea, slowed reaction time, slurred speech, giddiness and unconsciousness.

## 4. FIRST AID MEASURES

**Eye Contact:** Flush eyes with large amounts of water. Get medical attention if symptoms persist,

**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention if symptoms persist.

**Inhalation:** Remove person to fresh air. Get medical attention if symptoms develop,.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## 5. FIRE & EXPLOSION HAZARD DATA

### 5.1 FLAMMABLE PROPERTIES

**Flammability –**

Non-flammable per ASTM E-681-04

**Flash Point –**

None

**LEL –**

None

**UEL –**

None

### 5.2 Extinguishing Media –

Class B extinguishing agents: Carbon Dioxide, Dry Chemical, Foam

### 5.3 Special Fire Fighting Procedures –

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

### 5.4 Unusual Fire and Explosion Hazards

Vapors are heavier than air and may travel along floor. Containers may explode at elevated temperatures (>130°F)

## 6. ACCIDENTAL RELEASE MEASURES

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as open flames, pilot lights, sparks, smoking materials, and electrical spark sources. Ventilate the area with fresh air. For large spills, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practices. Contain spill. Cover with commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Collect waste and dispose of in accordance with all applicable local, state and federal regulations.

## 7. HANDLING AND STORAGE

### 7.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Avoid breathing of vapors, mists or spray. Avoid eye contact with vapors, mists, or spray. Keep out of reach of children. Prevent build-up of vapors. Open windows and doors. Use only with ventilation. Do not ignite matches, lighter, etc. Use general ventilation and/or local ventilation. If ventilation is not adequate, use respiratory protective equipment.

### 7.2 STORAGE

Store away from acids. Store away from heat. Store out of direct sunlight. Keep container tightly closed. Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Use only in well ventilated areas. Do not use in a confined area or areas with little or no air movement. Use general ventilation and/or local exhaust ventilation. If ventilation is not adequate, use personal protection equipment.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face protection

Avoid eye contact with vapors, mists, or spray.

The following eye protection(s) are recommended: Safety Glasses with side shields or Indirect Vented Goggles.

#### 8.2.2 Skin Protection

Avoid skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with glove or protective clothing manufacturer for selection of appropriate protective materials. Gloves made from the following material(s) are recommended: Polyvinyl Alcohol (PVA), Polyethylene/Ethylene Vinyl Alcohol.

#### 8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Conduct air monitoring to determine adequacy of ventilation and the need for respiratory protective equipment. If ventilation is inadequate select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half face piece or full-face pressure demand self-contained breathing apparatus. Consult personal protection supplier for further information.

### 8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

### 8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit
1,1,1-2 Tetrafluoroethane	AIHA	WEEL/TWA	1000 ppm
Methylene Chloride	OSHA	TWA	25 ppm
Methylene Chloride	OSHA	STEL	125 ppm

#### SOURCES OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

CMRG: Chemical Manufacturer Recommended Guideline

EPA: Environmental Protection Agency

IARC: International Agency for the Research on Cancer

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

WEEL Workplace Environmental Exposure Level

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Odor, Color:** Organic solvent odor, clear or blue in color

**Boiling point:** Not Determined

**Vapor Pressure** Not Determined

**Vapor Density** Not Determined

**Specific Gravity** 1.2 to 1.3 g/cc

**Solubility in Water:** Negligible

## 10. STABILITY AND REACTIVITY

**Volatile Organic Compounds:** <1%

**Stability –**

Stable

**Incompatibility –**

None known.

**Hazardous Polymerization –**

Will not occur.

**Hazardous By-Products:** Combustion may result in formation of aldehydes, hydrocarbons, carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### **Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

<b>Ingredient</b>	<b>CAS No.</b>	<b>Class Description</b>	<b>Regulations</b>
Methylene Chloride	75-09-2	Group 2B	IARC
Methylene Chloride	75-09-2	Anticipated Human Carcinogen	NTPC
Methylene Chloride	75-09-2	Cancer Hazard	OSHA Carcinogens

## 12. ECOLOGICAL INFORMATION

Has not been determined.

## 13. DISPOSAL CONSIDERATIONS

Dispose of only by a permitted hazardous waste TSD facility in accordance with all local, state and federal regulations.

This Section Provided for Information Only.

## 14. TRANSPORTATION INFORMATION

### **DOT CLASSIFICATION**

**UN Number:** UN3163

**Proper Shipping Name:** Liquefied Gas, N.O.S. (Contains Tetraflouroethane)

**Hazard Class:** 2.2

**Packing Group:** None

**Label:** Non Flammable Gas

## 15. REGULATORY INFORMATION

### **311/312 Hazard Categories:**

Fire Hazard – No; Pressure Hazard – Yes; Reactivity Hazard – No; Immediate Hazard – Yes; Delayed Hazard – Yes

### **Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

<b>Ingredient</b>	<b>C.A.S. Number</b>	<b>% by Wt.</b>
Methylene Chloride	75-09-2	60-70%

### **STATE REGULATIONS**

#### **CALIFORNIA PROPOSITION 65**

<b>Ingredient</b>	<b>C.A.S. Number</b>	<b>Classification</b>
Methylene Chloride	75-09-2	**Carcinogen

\*\*WARNING: contains a chemical which can cause cancer.

**WHMIS:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 16. OTHER INFORMATION

**HMIS Hazard Rating**

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**Health:** 2

**Flammability:** 0

**Reactivity:** 1

**Special Hazard:** None

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. Quin Global 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 a Quin Global product, many of which are solely within the user's knowledge and control, the user is responsible for determining whether the Quin Global product is fit for a particular purpose and suitable for users' method of use or application. It is essential that the user evaluate the Quin Global product to determine whether it is fit for a particular purpose and suitable for users' method of use or application.