

# Material Safety Data Sheet

## 1. IDENTIFICATION

**MANUFACTURER:**

5710 "F" Street  
Omaha, NE 68117

PH # 1.402.731.3636  
FX # 1.402.731.1473



**EMERGENCY # 1.800.424.9300**  
**(Chemtrec)**

**PRODUCT NAME**

Tensorgrip® L20

**RECOMMENDED USE:**

Contact Adhesive

## 2. HAZARDOUS INGREDIENTS

Hazardous Components	Chemical Identity	%
Methyl acetate	79-20-9	30-60
Hexane	110-54-3	0-10

## 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. Liquid and vapors are extremely flammable.

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.

**Prolonged or repeated exposure may cause:**

Peripheral Neuropathy – Signs/symptoms may include tingling or numbness of the extremities, weakness of the hands and feet, lack of coordination, tremors and muscle atrophy.

## 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. Do not give anything by mouth to an unconscious person. Get medical attention.

## 5. FIRE & EXPLOSION HAZARD DATA

### 5.1 FLAMMABLE PROPERTIES

**Flammability –**

Flammable per ASTM E-681-04

**Flash Point –**

-42°F (-41°C)

**LEL –**

3.4

**UEL –**

18

### 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 long distances to ignition sources. 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. Use only non-sparking tools. 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.

In the event of a release the user should determine if the release is a reportable quantity under local, state or 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 heat and 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 facepiece or fullface 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
Methyl Acetate	ACGIH	TWA	200 ppm
Methyl Acetate	ACGIH	STEL	250 ppm
Methyl Acetate	OSHA	TWA	200 ppm
Methyl Acetate	OSHA	STEL	250 ppm
Hexane	ACGIH	TWA	50 ppm
Hexane	OSHA	TWA Vacated	500 ppm
Hexane	OSHA	TWA	500 ppm

Vacated Permissible Exposure Limits (PEL) are enforced in some states as the OSHA PEL. Check with your local regulatory agency.

#### 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 red in color

**Boiling point:** Not Determined

**Vapor Pressure:** Not Determined

**Vapor Density:** Not Determined

**Specific Gravity:** .9-.91 g/cc

**Solubility in Water:** Negligible

**Volatile Organic Compounds:** <80 g/L

## 10. STABILITY AND REACTIVITY

#### 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:

No data indicates this mixture contains any chemicals which can cause cancer.

Ingredient	CAS No.	Class Description	Regulations
None			

## 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.

## 14. TRANSPORTATION INFORMATION

This Section Provided for Information Only.

### 14.1 DOT CLASSIFICATION

**UN Number:** UN3161

**Proper Shipping Name:** Liquefied Gas, Flammable, N.O.S. (Contains Methyl Acetate)

**Hazard Class:** 2.1

**Packing Group:** None

**Label:** Flammable Gas

### 14.2 311/312 Hazard Categories:

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

Delayed Hazard – Yes

## 15. REGULATORY INFORMATION

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

Ingredient	C.A.S. Number	% by Wt.
Hexane	110-54-3	0-10%

### 15.2 STATE REGULATIONS

#### CALIFORNIA PROPOSITION 65

Ingredient	C.A.S. Number	Classification
None		

### 15.3 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:** 4

**Reactivity:** 0

**Special Hazard:** None

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