



**SAFETY DATA SHEET**  
**Tensorgrip M31 Super High Strength Infusion RTM**

### 1. Identification

#### Product identifier

**Product name** Tensorgrip M31 Super High Strength Infusion RTM

**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** Flam. Aerosol 1 - H222 Press. Gas, Compressed - H280

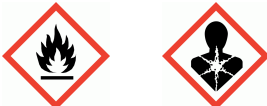
**Health hazards** Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A  
 - H319 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373

**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

##### Pictogram



##### Signal word

Danger

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### Hazard statements

H222 Extremely flammable aerosol.  
 H280 Contains gas under pressure; may explode if heated.  
 H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H361f Suspected of damaging fertility.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Pressurized container: Do not pierce or burn, even after use  
 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.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

### Contains

Methyl Acetate, n-Hexane

### Other hazards

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

### 3. Composition/information on ingredients

#### Substances

#### Mixtures

<b>Methyl Acetate</b>	<b>30-60%</b>
CAS number: 79-20-9	
<b>Classification</b>	
Flam. Liq. 2 - H225	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Eye Irrit. 2A - H319	
STOT SE 3 - H336	

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<b>n-Hexane</b>	<b>10-30%</b>
CAS number: 110-54-3	
M factor (Acute) = 1	
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373 Aquatic Chronic 2 - H411	

The Full Text for all Hazard Statements are Displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination. Place unconscious person on their side in the recovery position and ensure breathing can take place. 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.
<b>Ingestion</b>	Get medical attention immediately. 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.
<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>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>Skin contact</b>	May be absorbed through the skin. Product has a defatting effect on skin. The liquid is irritating to eyes and skin. A single exposure may cause the following adverse effects: Dryness and/or cracking.

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**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

#### Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

#### 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. Vapors are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

#### 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. No smoking, sparks, flames or other sources of ignition near spillage.

#### 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. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. 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

**Usage precautions** Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. 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. Use explosion proof electric equipment. Avoid discharge into drains or watercourses or onto the ground.

**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 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

#### Specific end uses(s)

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**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### 8. Exposure Controls/personal protection

#### Control parameters

#### Occupational exposure limits

##### **Methyl Acetate**

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm

Short-term exposure limit (15-minute): ACGIH 250 ppm

Long-term exposure limit (8-hour TWA): OSHA 200 ppm 610 mg/m<sup>3</sup>

##### **n-Hexane**

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

Sk

Ceiling Value: OSHA\_TRANS 500 ppm 1800 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): OSHA 50 ppm 180 mg/m<sup>3</sup>

ACGIH = American Conference of Governmental Industrial Hygienists.

Sk = Danger of cutaneous absorption.

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. Avoid inhalation of vapors and spray/mists. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapor or mist.

##### **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 half face mask fitted with an organic vapor filter for short term low level exposures. For long term or high level exposures, a supplied air respirator should be used.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Aerosol.
<b>Color</b>	Clear Red.
<b>Odor</b>	Characteristic.
<b>Initial boiling point and range</b>	57.5°C (135°F)

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<b>Flash point</b>	-25.99°C/-14.78°F CC (Closed cup).
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 16 g/100 g Lower flammable/explosive limit: 1.2 g/100 g
<b>Relative density</b>	0.88
<b>Solubility(ies)</b>	Insoluble in water
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 180 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>	Strong Oxidizers.
<b>Hazardous decomposition products</b>	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Hydrogen chloride (HCl). Nitrous gases (NO <sub>x</sub> ).

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg) 717.15

##### Acute toxicity - dermal

ATE dermal (mg/kg) 1,577.74

##### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 15.78

#### Toxicological information on ingredients.

##### Methyl Acetate

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 500.0

##### 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) 49.28

Species Rat

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ATE inhalation (vapours mg/l) 11.0

### n-Hexane

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 25,000.0

Species Rat

ATE oral (mg/kg) 500.0

#### Acute toxicity - dermal

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

Species Rabbit

ATE dermal (mg/kg) 1,100.0

#### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 171.6

Species Rat

ATE inhalation (vapours mg/l) 11.0

#### Reproductive toxicity

Reproductive toxicity - fertility Suspected of damaging fertility.

#### Specific target organ toxicity - single exposure

STOT - single exposure May cause drowsiness or dizziness

Target organs Central nervous system

#### Specific target organ toxicity - repeated exposure

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Target organs Central nervous system

#### Aspiration hazard

Aspiration hazard Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

#### General information

After absorption. Tiredness. Narcosis. After long term exposure to the chemical: CNS disorders, paralysis symptoms. (It generally applies to aliphatic hydrocarbons with 6 - 18 carbon atoms that they cause pneumonia, in some cases also pulmonary edema, upon direct inhalation, i.e. in conditions that can occur only in very special circumstances (nebulizations, spraying, inhalation of aerosols and similar.)) Absorption of large quantities may cause: Narcosis. Possible risk of adverse reproductive effects.

Inhalation May cause drowsiness or dizziness. Vapors irritate the respiratory system.

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<b>Ingestion</b>	Irritating. May cause nausea, stomach pain and vomiting.
<b>Skin Contact</b>	The product is irritating to eyes and skin.
<b>Eye contact</b>	Risk of corneal clouding.
<b>Route of entry</b>	Inhalation Skin and/or eye contact
<b>Target Organs</b>	Eyes Skin Respiratory system, lungs Central nervous system Peripheral nervous system

### 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** Cargo aircraft only. <75kg

#### UN Number

**UN No. (DOT)** 3501

**UN No. (ICAO)** 3501

#### UN proper shipping name

**Proper shipping name (DOT)** Chemical Under Pressure, Flammable, N.O.S. (Methyl Acetate, n-Hexane)

#### Transport hazard class(es)

**DOT hazard class** 2.1

#### Transport labels



#### Packing group

Not applicable.

### 15. Regulatory information

#### US Federal Regulations

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

The following ingredients are listed or exempt:

##### **n-Hexane**

Final CERCLA RQ: 5000(2270) pounds (Kilograms)

##### **SARA 313 Emission Reporting**

The following ingredients are listed or exempt:

##### **n-Hexane**

100%



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### SARA (311/312) Hazard Categories

Hazard

#### Methyl Acetate

Fire  
Acute  
Chronic  
Health hazard

#### n-Hexane

Acute  
Chronic  
Health hazard  
Fire

### 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 or any other reproductive harm.

#### Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

##### Methyl Acetate

Present

##### n-Hexane

Present

#### New Jersey "Right To Know" List

The following ingredients are listed or exempt:

##### Methyl Acetate

Present.

##### n-Hexane

Present.

### Inventories

#### Canada - DSL/NDL

The following ingredients are listed or exempt:

##### Methyl Acetate

Present.

##### n-Hexane

DSL

#### US - TSCA

The following ingredients are listed or exempt:

##### Methyl Acetate

Present.

##### n-Hexane

Present.

### 16. Other information

Revision date

2/18/2016

## Tensorgrip M31 Super High Strength Infusion RTM

<b>Revision</b>	1
<b>Supersedes date</b>	2/18/2016
<b>SDS No.</b>	21549
<b>Hazard statements in full</b>	H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapor. H280 Contains gas under pressure; may explode if heated. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H361f Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
<b>ACA HMIS Health rating.</b>	Slight hazard. (1)
<b>ACA HMIS Flammability rating.</b>	Extremely flammable. (4)
<b>ACA HMIS Physical hazard rating.</b>	Normally stable. (0)
<b>ACA HMIS Personal protection rating.</b>	B

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