



## SAFETY DATA SHEET

### Tensorgrip M35 Plasticiser Resistant Contact Adhesive

#### 1. Identification

##### Product identifier

**Product name** Tensorgrip M35 Plasticiser Resistant Contact 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 (Mon - Fri) 09:00 - 16:00

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**Physical hazards** Aerosol 2 - H223, H229 Press. Gas, Compressed - H280

**Health hazards** Acute Tox. 3 - H301 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 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 M35 Plasticiser Resistant Contact Adhesive

### Hazard statements

H223 Flammable aerosol.  
 H229 Pressurized container: may burst if heated.  
 H280 Contains gas under pressure; may explode if heated.  
 H301 Toxic if swallowed.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 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.

### Precautionary statements

P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310 If swallowed: Immediately call a poison center/doctor.  
 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.

### Contains

Dimethyl Ether, Methylene Chloride, Polymeric MDI

### Other hazards

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

## 3. Composition/information on ingredients

### Substances

#### Mixtures

<b>Dimethyl Ether</b>	<b>30-60%</b>
CAS number: 115-10-6	REACH registration number: 01-2119472128-37-XXXX
<b>Classification</b>	
Flam. Gas 1 - H220	
Press. Gas, Liquefied - H280	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2B - H320	
STOT SE 3 - H335, H336	

## Tensorgrip M35 Plasticiser Resistant Contact Adhesive

<b>Methylene Chloride</b>	<b>30-60%</b>
CAS number: 75-09-2	REACH registration number: 01-2119480404-41-XXXX
<b>Classification</b> 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	
<b>Polymeric MDI</b>	<b>10-30%</b>
CAS number: 9016-87-9	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Resp. Sens. 1 - H334 Skin Sens. 1A - H317 STOT SE 3 - H335	

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.
-------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## Tensorgrip M35 Plasticiser Resistant Contact Adhesive

<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.
<b>Eye contact</b>	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.

## Tensorgrip M35 Plasticiser Resistant Contact Adhesive

**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)

**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

#### **Dimethyl Ether**

Long-term exposure limit (8-hour TWA): WEEL:US.AIHA = Workplace Environmental Exposure Level Guides 1000 ppm

#### **Methylene Chloride**

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

A3

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

ACGIH = American Conference of Governmental Industrial Hygienists.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

OSHA = Occupational Safety and Health Administration.

### Polymeric MDI (CAS: 9016-87-9)

**Ingredient comments** No exposure limits known for ingredient(s).

### 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.

## Tensorgrip M35 Plasticiser Resistant Contact Adhesive

**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.
Odor	Organic solvents.
Initial boiling point and range	Not determined.
Flash point	< -40°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.8 g/100 g Upper flammable/explosive limit: 9.5 g/100 g
Vapour pressure	Not determined.
Vapour density	Not determined.
Solubility(ies)	Negligibly soluble in water

### 10. Stability and reactivity

Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Oxidizing agents. Reducing agents.
Hazardous decomposition products	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) 265.96

##### Acute toxicity - dermal

ATE dermal (mg/kg) 3,142.86

##### Acute toxicity - inhalation

ATE inhalation (gases ppm) 11,250.0

ATE inhalation (vapours mg/l) 84.62

#### Toxicological information on ingredients.

#### Dimethyl Ether

#### Acute toxicity - inhalation

## Tensorgrip M35 Plasticiser Resistant Contact Adhesive

**Acute toxicity inhalation** 308.5  
(LC<sub>50</sub> gases ppmV)

**Species** Rat

**ATE inhalation (gases** 4,500.0  
**ppm)**

### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

### Specific target organ toxicity - single exposure

**STOT - single exposure** May cause respiratory irritation. Central nervous system depression. Skin and eye irritation.

### Aspiration hazard

**Aspiration hazard** No data available.

**Medical Symptoms** Central nervous system depression. Frostbite. Respiratory system irritation. Skin irritation. Eye irritation.

### Methylene Chloride

#### Acute toxicity - oral

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

**Species** Rat

**ATE oral (mg/kg)** 100.0

#### Acute toxicity - dermal

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

**Species** Rat

**ATE dermal (mg/kg)** 1,100.0

#### Acute toxicity - inhalation

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

**Species** Rat

**ATE inhalation (vapours** 11.0  
**mg/l)**

### 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.

## Tensorgrip M35 Plasticiser Resistant Contact Adhesive

**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

### Polymeric MDI

#### Acute toxicity - oral

**ATE oral (mg/kg)** 500.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 0.49

**Species** Rat

**ATE inhalation (vapours mg/l)** 11.0

#### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

### Specific target organ toxicity - single exposure

**STOT - single exposure** May cause respiratory irritation.

#### Aspiration hazard

**Aspiration hazard** No data available.

## 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)** 3501 - Chemical Under Pressure, Flammable, N.O.S. (Dimethyl Ether)



## Tensorgrip M35 Plasticiser Resistant Contact Adhesive

**Proper shipping name (IMDG)** CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.

**Proper shipping name (ICAO)** CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.

**Transport hazard class(es)**

**DOT hazard class** 2.1

**Transport labels**



**Packing group**

Not applicable.

### 15. Regulatory information

### 16. Other information

**Revision date** 6/12/2015

**Revision** 4

**Supersedes date** 3/6/2015

**SDS No.** 20606

**Hazard statements in full**

H223 Flammable aerosol.  
 H229 Pressurized container: may burst if heated.  
 H280 Contains gas under pressure; may explode if heated.  
 H301 Toxic if swallowed.  
 H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H320 Causes eye irritation.  
 H332 Harmful if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 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.  
 H373 May cause damage to organs (Oral (Category 2), Inhalation (Category 2), Blood, Central nervous system, Liver) through prolonged or repeated exposure.

**ACA HMIS Health rating.** Moderate hazard. (2)

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

**ACA HMIS Personal protection rating.** B

**ACA HMIS Flammability rating.** Ignites easily. (3)

## Tensorgrip M35 Plasticiser Resistant Contact Adhesive

The information in this Material Safety Data Sheet (MSDS) 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 manufacturer of this product is fit for a particular purpose and suitable for users' method of use or application. It is essential that the user evaluate this product, not the manufacturer, to determine whether it is fit for a particular purpose and suitable for users' method of use or application