



## SAFETY DATA SHEET

### Tensorgrip P120 Polyurethane Bead Adhesive

#### 1. Identification

##### Product identifier

**Product name** Tensorgrip P120 Polyurethane Bead Adhesive

**Product number** USA

##### Recommended use of the chemical and restrictions on use

**Application** Pressurized Polyurethane Bead 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** Aerosol 3 - H229 Press. Gas, Compressed - H280

**Health hazards** Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 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 P120 Polyurethane Bead Adhesive

### Hazard statements

H280 Contains gas under pressure; may explode if heated.  
 H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 May cause respiratory irritation.  
 H351 Suspected of causing cancer.  
 H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

P251 Pressurized container: Do not pierce or burn, even after use  
 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.  
 P312 Call a poison center/ doctor if you feel unwell.

### Contains

Polymeric MDI, Monomeric MDI, 2,2'-dimorpholinyl diethyl ether (6425-39-4)

### Other hazards

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

### 3. Composition/information on ingredients

#### Mixtures

<b>Polymeric MDI</b> CAS number: 9016-87-9	<b>10-30%</b>
<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	
<b>Monomeric MDI</b> CAS number: 101-68-8	<b>10-30%</b>
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373	

## Tensorgrip P120 Polyurethane Bead Adhesive

2,2'-dimorpholinyl-diethyl ether (6425-39-4)	1-5%
CAS number: 6425-39-4	
<b>Classification</b>	
Eye Irrit. 2 - H319	

The full text for all hazard statements is displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	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.
<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>	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.
<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 product 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

#### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	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

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**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.

#### 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. 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 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.

**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

### 8. Exposure Controls/personal protection

#### Control parameters

#### Occupational exposure limits

##### Monomeric MDI

Long-term exposure limit (8-hour TWA): ACGIH 0.005 ppm

Ceiling exposure limit: OSHA 0.02 ppm 0.2 mg/m<sup>3</sup>

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

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

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

##### 2,2'-dimorpholinyl-diethyl ether (6425-39-4) (CAS: 6425-39-4)

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

#### Exposure controls

##### Protective equipment



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<b>Appropriate engineering controls</b>	This product must not be handled in a confined space without adequate ventilation. Provide adequate general and local exhaust ventilation.
<b>Eye/face protection</b>	Wear chemical splash goggles.
<b>Hand protection</b>	Use protective gloves.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.
<b>Hygiene measures</b>	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.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Aerosol.
<b>Color</b>	Straw.
<b>Odor</b>	Musty (mouldy).
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	> 93.3°C/200°F
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Vapor pressure</b>	<0.001 mm Hg @ 77°F
<b>Vapor density</b>	Heavier than air
<b>Relative density</b>	Not determined.
<b>Solubility(ies)</b>	Insoluble in water
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 0 g/l.

### 10. Stability and reactivity

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Will not polymerize.
<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>	None known.
<b>Hazardous decomposition products</b>	Fire creates: Vapours/gases/fumes of: Oxides of nitrogen. Oxides of carbon. Isocyanates. Hydrogen cyanide (HCN).

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	1,408.45070423
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## Tensorgrip P120 Polyurethane Bead Adhesive

### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 30.98591549

### Toxicological information on ingredients.

#### 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.

#### Monomeric MDI

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 9,200.0

Species Rat

ATE oral (mg/kg) 500.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 2.24

Species Rat

ATE inhalation (vapours mg/l) 11.0

##### Serious eye damage/irritation

Serious eye damage/irritation Slightly irritating.

##### Respiratory sensitization

Respiratory sensitization May cause sensitisation.

##### Skin sensitization

Skin sensitization May cause sensitisation.

##### Carcinogenicity

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**Carcinogenicity** Data lacking.

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**Specific target organ toxicity - single exposure**

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

**Specific target organ toxicity - repeated exposure**

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

**Aspiration hazard**

**Aspiration hazard** No data available.

**2,2'-dimorpholinyl diethyl ether (6425-39-4)**

**Toxicological effects** No data recorded.

**Carcinogenicity**

**Carcinogenicity** No information available.

**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** 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.

**Proper shipping name (DOT)** Chemical Under Pressure, N.O.S.

**Transport hazard class(es)**

**TDG class** 2

**TDG label(s)** 2.2

**Transport labels**



**Packing group**

## Tensorgrip P120 Polyurethane Bead Adhesive

Not applicable.

### 15. Regulatory information

#### Inventories

##### US - TSCA

Present.

*2,2'-dimorpholinyl diethyl ether (6425-39-4)*

*Monomeric MDI*

### 16. Other information

<b>Revision date</b>	8/8/2017
<b>Revision</b>	3
<b>Supersedes date</b>	8/20/2015
<b>SDS No.</b>	20621
<b>Hazard statements in full</b>	H280 Contains gas under pressure; may explode if heated. H302 Harmful 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. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure.
<b>ACA HMIS Health rating.</b>	Moderate hazard. (2)
<b>ACA HMIS Flammability rating.</b>	Will not burn. (0)
<b>ACA HMIS Physical hazard rating.</b>	Normally stable. (0)
<b>ACA HMIS Personal protection rating.</b>	B

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