



SAFETY DATA SHEET

Tensorgrip A20 Plasticizer Resistant Crosslinking Contact Adhesive

1. Identification

Product identifier

Product name Tensorgrip A20 Plasticizer Resistant Crosslinking 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 A20 Plasticizer Resistant Crosslinking Contact Adhesive

Hazard statements	<p>H223 Flammable aerosol.</p> <p>H229 Pressurized container: may burst if heated.</p> <p>H280 Contains gas under pressure; may explode if heated.</p> <p>H301 Toxic if swallowed.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H351 Suspected of causing cancer.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>
Precautionary statements	<p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+P310 If swallowed: Immediately call a poison center/doctor.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
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

Dimethyl Ether	30-60%
CAS number: 115-10-6	REACH registration number: 01-2119472128-37-XXXX
Classification	
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 A20 Plasticizer Resistant Crosslinking Contact Adhesive

Methylene Chloride	30-60%
CAS number: 75-09-2	REACH registration number: 01-2119480404-41-XXXX
Classification	
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	
Polymeric MDI	10-30%
CAS number: 9016-87-9	
Classification	
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

General information	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.
Inhalation	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.
Ingestion	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.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	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

Inhalation	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.
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Tensorgrip A20 Plasticizer Resistant Crosslinking Contact Adhesive

Ingestion	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.
Skin contact	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.
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.

Tensorgrip A20 Plasticizer Resistant Crosslinking 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 A20 Plasticizer Resistant Crosslinking 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 ₂). 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 A20 Plasticizer Resistant Crosslinking Contact Adhesive

Acute toxicity inhalation (LC₅₀ gases ppmV)	308.5
Species	Rat
ATE inhalation (gases ppm)	4,500.0
<u>Carcinogenicity</u>	
Carcinogenicity	Does not contain any substances known to be carcinogenic.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	May cause respiratory irritation. Central nervous system depression. Skin and eye irritation.
<u>Aspiration hazard</u>	
Aspiration hazard	No data available.
<u>Medical Symptoms</u>	
Medical Symptoms	Central nervous system depression. Frostbite. Respiratory system irritation. Skin irritation. Eye irritation.

Methylene Chloride

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	2,000.0
Species	Rat
ATE oral (mg/kg)	100.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,000.0
Species	Rat
ATE dermal (mg/kg)	1,100.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	52.0
Species	Rat
ATE inhalation (vapours mg/l)	11.0
<u>Carcinogenicity</u>	
Carcinogenicity	Carcinogenicity - rat - inhalation Limited evidence of carcinogenicity in animal studies
Target organ for carcinogenicity	Tumorigenic: Carcinogenic by RTECS criteria. Endocrine: Tumors
IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.

Tensorgrip A20 Plasticizer Resistant Crosslinking 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 (LC₅₀ 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 A20 Plasticizer Resistant Crosslinking 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 3/10/2015

SDS No. 20938

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 A20 Plasticizer Resistant Crosslinking 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