



SAFETY DATA SHEET

TENSORGRIP F20 SPRAY ADHESIVE CANISTER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name TENSORGRIP F20 SPRAY ADHESIVE CANISTER

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Adhesive.

1.3. Details of the supplier of the safety data sheet

Supplier QUIN GLOBAL (UK) LTD
PO BOX 7634
PERTH
PH2 1GA
+44 (0)845 381 2233, technical.uk@quin-global.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 845 381 2233 (09.00 - 16.00) Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture**Classification****Physical hazards**

Aerosol 1 - H222, H229

Health hazards

Carc. 2 - H351

Environmental hazards

Not Classified

2.2. Label elements**Pictogram**

Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H351 Suspected of causing cancer.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with national regulations.

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Contains

DICHLOROMETHANE

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.1. Substances**

No data required as this is a mixture

3.2. Mixtures

DICHLOROMETHANE	30-60%
CAS number: 75-09-2 EC number: 200-838-9 REACH registration number: 01-2119480404-41-XXXX	
Classification Carc. 2 - H351	Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40
ISOBUTANE, PROPANE	30-60%
CAS number: 68476-85-7 EC number: 270-704-2	
Classification Flam. Gas 1 - H220 Press. Gas	Classification (67/548/EEC or 1999/45/EC)

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Loosen tight clothing such as collar, tie or belt.

Ingestion

Get medical attention immediately. In the unlikely event of ingestion GET medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Do not induce vomiting. Never give anything by mouth to an unconscious person. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical.

Skin contact

Remove contamination with soap and water or recognised skin cleansing agent. Consult a physician for specific advice. Continue to rinse for at least 15 minutes and get medical attention. If adhesive bonding occurs, do not force skin apart. Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water.

Eye contact

Get medical attention immediately. Continue to rinse. Only remove contact lenses if the person is conscious, coherent and they can remove them themselves

4.2. Most important symptoms and effects, both acute and delayed**Inhalation**

Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May cause stomach pain or vomiting. Swallowing concentrated chemical may cause severe internal injury.

Skin contact

Prolonged and frequent contact may cause redness and irritation. May cause skin irritation.

Eye contact

May cause eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

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Notes for the doctor

Treat symptomatically. Show this safety data sheet to the doctor in attendance

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

perumes Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Contain spillage with sand, earth or other suitable non-combustible material. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours and spray/mists. Clean equipment and the work area every day.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep container in a well-ventilated place. Keep container tightly closed. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

Storage class

Flammable compressed gas storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

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8.1. Control parameters

Occupational exposure limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients. 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, vapour or mist.

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. For repeated exposure use Viton or 4H chemical gloves, the user must COSHH risk assess to determine the correct glove.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. 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.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Colour

Amber.

Odour

Characteristic.

Evaporation rate

Fast

Upper/lower flammability or explosive limits

Lower flammable/explosive limit: 1.00% Upper flammable/explosive limit: 13.00%

Relative density

1.2 @ 20°C

Oxidising properties

Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information

Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at normal ambient temperatures and when used as recommended.

10.2. Chemical stability

Stability

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Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid

Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,350.0

Species

Rat

ATE oral (mg/kg)

5,350.0

SECTION 12: Ecological Information

12.1. Toxicity

There are no data on the ecotoxicity of this product.

12.2. Persistence and degradability

Persistence and degradability

The product is moderately biodegradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

Volatile.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

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14.1. UN number

UN No. (ADR/RID)	3501
UN No. (IMDG)	3501
UN No. (ICAO)	3501
UN No. (ADN)	3501

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (ISOBUTANE, PROPANE)
Proper shipping name (IMDG)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (ISOBUTANE, PROPANE)
Proper shipping name (ICAO)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (ISOBUTANE, PROPANE)
Proper shipping name (ADN)	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (ISOBUTANE, PROPANE)

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	8F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels



14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Emergency Action Code	2YE
Hazard Identification Number (ADR/RID)	23
Tunnel restriction code	(B/D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Issued by	HS&E Manager.
Revision date	10/07/2014
Revision	3
Supersedes date	10/07/2014
SDS number	20226
Hazard statements in full	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated H351 Suspected of causing cancer.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.