



SAFETY DATA SHEET TENSORGRIP L12 SPRAY ADHESIVE CANISTER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name TENSORGRIP L12 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

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Carc. Cat. 3;R40. ;R10.

2.2. Label elements

Contains DICHLOROMETHANE

Labelling



Harmful



Flammable

Risk Phrases

R10

Flammable.

R40

Limited evidence of a carcinogenic effect.

Safety Phrases

A1

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

A2

Do not spray on a naked flame or any incandescent material.

S2

Keep out of the reach of children.

S16

Keep away from sources of ignition - No smoking.

S23

Do not breathe vapour/spray.

S36/37

Wear suitable protective clothing and gloves.

S38

In case of insufficient ventilation, wear suitable respiratory equipment.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

TENSORGRIP L12 SPRAY ADHESIVE CANISTER

DICHLOROMETHANE 30-60%	
CAS-No.: 75-09-2	EC No.: 200-838-9
Classification (EC 1272/2008) Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40
CARBON DIOXIDE 10-30%	
CAS-No.: 124-38-9	EC No.: 204-696-9
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
PETROLEUM GASES, LIQUEFIED 5-10%	
CAS-No.: 68476-85-7	EC No.: 270-704-2
Classification (EC 1272/2008) Flam. Liq. 1 - H224	Classification (67/548/EEC) F+;R12.

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

General information

Remove victim immediately from source of exposure.
Provide rest, warmth and fresh air.
Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once.
Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position.
When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Get medical attention.

Ingestion

DO NOT INDUCE VOMITING!
NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!
Provide rest, warmth and fresh air.
Get medical attention.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing.
Promptly wash eyes with plenty of water while lifting the eye lids.
Continue to rinse for at least 15 minutes.
Get medical attention promptly if symptoms occur after washing.

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

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea. Irritation of nose, throat and airway.

Ingestion

May cause chemical burns in mouth and throat.

Skin contact

Prolonged skin contact may cause redness and irritation.

TENSORGRIP L12 SPRAY ADHESIVE CANISTER

Eye contact

Irritation of eyes and mucous membranes.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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.

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire. May travel considerable distance to source of ignition and flash back.

Specific hazards

Pressurised container: Must not be exposed to temperatures above 50°C.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours.

Cool containers exposed to flames with water until well after the fire is out.

Be aware of danger for fire to re-start.

Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

Do not smoke, use open fire or other sources of ignition.

6.2. Environmental precautions

Avoid discharge into drains.

Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk.

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

Do not contaminate water sources or sewer.

Absorb in vermiculite, dry sand or earth and place into containers.

Wash thoroughly after dealing with a spillage.

6.4. 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

Avoid spilling, skin and eye contact.

Keep away from heat, sparks and open flame.

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

Container must be kept tightly closed.

Use explosion proof electric equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame.

Keep containers tightly closed.

Keep in original container.

TENSORGRIP L12 SPRAY ADHESIVE CANISTER

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

Storage Class

Unspecified storage.

7.3. Specific end use(s)

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
CARBON DIOXIDE	WEL	5000 ppm	9150 mg/m3	15000 ppm	27400 mg/m3	
DICHLOROMETHANE	WEL	100 ppm	350 mg/m3	300 ppm	1060 mg/m3	Sk
PETROLEUM GASES, LIQUEFIED	WEL	1000 ppm	1750 mg/m3	1250 ppm	2180 mg/m3	Carc

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

Carc = Capable of causing cancer and/or heritable genetic damage.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Engineering measures

Must not be handled in confined space without sufficient ventilation.

Provide adequate general and local exhaust ventilation.

Respiratory equipment

Respiratory protection must be used if air contamination exceeds acceptable level.

Hand protection

Use protective gloves.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour 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 & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Odour	Characteristic.
Solubility	Insoluble in water
Initial boiling point and boiling range (°C)	55
Melting point (°C)	Not available.
Relative density	0.74
Vapour density (air=1)	Not available.
Vapour pressure	Not available.

TENSORGRIP L12 SPRAY ADHESIVE CANISTER

Evaporation rate	FAST
Odour Threshold, Lower	
Not available.	
Odour Threshold, Upper	
Not available.	
Flash point (°C)	-29 Unknown.
Auto Ignition Temperature (°C)	275
Flammability Limit - Lower(%)	1
Flammability Limit - Upper(%)	13
Explosive properties	
Not available.	
Oxidising properties	
Does not meet the criteria for oxidising.	

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not applicable.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with strong reducing agents.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances.

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:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

>

Acute Toxicity (Inhalation LC50) 5

mg/l (vapours)

Acute Toxicity (Inhalation LC50) Rat

Rat

4 hours

Skin Corrosion/Irritation:

Extreme pH.

Not available.

TENSORGRIP L12 SPRAY ADHESIVE CANISTER

Respiratory or skin sensitisation:

Skin sensitisation

Not available.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Not available.

Carcinogenicity:

Carcinogenicity

Not available.

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

Eye contact

May cause severe irritation to eyes.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l >1-10

IC 50, 72 Hrs, Algae, mg/l >1-10

12.2. Persistence and degradability

Degradability

The product is moderately biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product contains potentially bioaccumulating substances.

12.4. Mobility in soil

Mobility:

Accumulates in soil and sediment.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 3501

UN No. (IMDG) 3501

UN No. (ICAO) 3501

TENSORGRIP L12 SPRAY ADHESIVE CANISTER

14.2. UN proper shipping name

Proper Shipping Name CHEMICAL UNDER PRESSURE, N.O.S, FLAMMABLE (methylene chloride)
Proper Shipping Name FLAMMABLE LIQUID, NOS

14.3. Transport hazard class(es)

ADR/RID/ADN Class 2.1
ADR/RID/ADN Class Class 2: Gases
ADR Label No. 2.1
IMDG Class 2.1
ICAO Class/Division 2.1
Transport Labels



14.4. Packing group

Not applicable.

14.5. Environmental hazards

14.6. Special precautions for user

EMS F-D, S-U
Emergency Action Code 2YE
Hazard No. (ADR) 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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date 12/08/2013

TENSORGRIP L12 SPRAY ADHESIVE CANISTER

Revision 4
Supersedes date 12/08/2013

Risk Phrases In Full

R12 Extremely flammable.
R10 Flammable.
R40 Limited evidence of a carcinogenic effect.
NC Not classified.

Hazard Statements In Full

H224 Extremely flammable liquid and vapour.
H223 Flammable aerosol.
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.