

S101 CITRUS CLEANER ADHESIVE REMOVER

DATA SHEET
TensorGrip



As part of our Cleaners range, S101 is suitable for use on most surfaces.

PRODUCT DESCRIPTION

TensorGrip S101 is a bio-safe citrus solvent/cleaner, degreaser and adhesive remover designed to safely and powerfully remove adhesives and other tough substances. Available in small canisters for purging adhesive spray equipment.

ADVANTAGES

- Exceptional cleaning/degreasing power
- Non-corrosive
- Pleasant citrus scent
- Compatible with most plastics
- Biodegradable
- Cleans hoses, spray guns and other adhesive equipment
- Decal residue removal – safe for powder-coated surfaces
- Safer to use than most cleaners/adhesive removers

DIRECTIONS FOR USE

- **TensorGrip S101** can be sprayed on and wiped off. Wash off any remaining residue with water.
- This Citrus Cleaner can be safely used on most surfaces, including painted surfaces, glass, porcelain, concrete, and many plastics and vinyls.
- To clean adhesive application hoses and guns, attach the hose and gun to a canister of TensorGrip S101 and flush until clear (about 45 seconds).
- An 8lb canister will work for approximately 8 purges; 22L size works for approximately 28 purges.
- The product will not be damaged by freezing. Warm up to room temperature for use.

QUIN GLOBAL US

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CHEMICAL TECHNICAL DATA

TYPICAL PROPERTIES

- Total Solids 0%
- VOC Content 747 g/L
- Color Clear
- System Flammability Combustible liquid; Non-Flammable propellant (22L canisters)
Flammable propellant (Aerosols & 7L Canisters)
- Solvent System D-Limonene, Mineral Spirits
- Dry time 1-3 mins dependent on temp & humidity
- Open time N/A
- Shelf Life 18 months from date of manufacture

PACKAGING

- 650ml Aerosol Cans
- 7L Disposable Canister
- 22L Disposable Canister

STORAGE

HANDLING & STORAGE

- Consult Material Safety Data Sheet prior to use.
- Do not store at temperatures over 120°F/50°C.
- Avoid exposure to direct sunlight.
- Do not store directly on concrete floor.
- Always store above 60°F/15°C
- When connected, keep valve open and hose pressurized at all times
- Always test our adhesives to determine suitability for your particular application prior to use in production

DISCLAIMER OF WARRANTY: Quin Global makes neither warranty of merchantability or fitness for any use nor any other warranty, express or implied, in the sales of its products. Buyer assumes all risk and liability for the results obtained by the use of its products, whether used singly or in combination with other products.

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SAFETY DATA SHEET
Tensorgrip S101 22L Citrus Cleaner/Adhesive Remover

1. Identification**Product identifier**

Product name Tensorgrip S101 22L Citrus Cleaner/Adhesive Remover

Product number USA

Recommended use of the chemical and restrictions on use

Application Cleaning Solvent

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

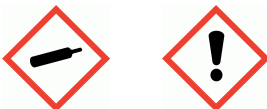
2. Hazard(s) identification**Classification of the substance or mixture**

Physical hazards Press. Gas, Compressed - H280

Health hazards Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Skin Sens. 1 - H317

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**

Warning

Hazard statements

H280 Contains gas under pressure; may explode if heated.
H302+H312 Harmful if swallowed or in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

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Precautionary statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
 P273 Avoid release to the environment.
 P301+P310 If swallowed: Immediately call a poison center/doctor.
 P302+P352 If on skin: Wash with plenty of water.
 P312 Call a poison center/doctor if you feel unwell.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Contains d-Limonene, Odorless Mineral Spirits

Other hazards

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

3. Composition/information on ingredients

Substances

Mixtures

d-Limonene	60-100%
CAS number: 94266-47-4	
Classification	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Odorless Mineral Spirits	10-30%
CAS number: 64742-47-8	
Classification	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	

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. 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.

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 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.

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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.
<u>Most important symptoms and effects, both acute and delayed</u>	
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.
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 product 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

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.

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.

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

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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

d-Limonene

Long-term exposure limit (8-hour TWA): WEEL:US.AIHA = Workplace Environmental Exposure Level Guides 30 ppm

Odorless Mineral Spirits

Long-term exposure limit (8-hour TWA): ACGIH 200 mg/m³

Long-term exposure limit (8-hour TWA): OSHA 500 ppm 2000 mg/m³

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

Exposure controls

Protective equipment



Appropriate engineering controls

This product must not be handled in a confined space without adequate ventilation. Provide adequate general and local exhaust ventilation.

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.

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.
Odor Strong. Solvent.

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Initial boiling point and range	Not determined.
Flash point	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	.8295
Solubility(ies)	Negligibly soluble in water
Volatile organic compound	This product contains a maximum VOC content of 747 g/l.

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.
Materials to avoid	Strong acids. Strong oxidizing agents.
Hazardous decomposition products	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂). Ketones Aldehydes. Hydrocarbons.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 555.55555556

Acute toxicity - dermal

ATE dermal (mg/kg) 1,222.22222222

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 61.11111111

Carcinogenicity

Carcinogenicity No information 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

Tensorgrip S101 22L Citrus Cleaner/Adhesive Remover

UN No. (DOT) 3500

UN No. (ICAO) 3500

UN proper shipping name

Proper shipping name (DOT) 3500 - Chemical Under Pressure, N.O.S. (d-Limonene, OMS)

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 2.2

Transport labels



Packing group

Not applicable.

15. Regulatory information

Inventories

US - TSCA

Present.

d-Limonene

16. Other information

Revision date 6/23/2015

Revision 3

Supersedes date 6/10/2015

SDS No. 20639

Hazard statements in full
 H280 Contains gas under pressure; may explode if heated.
 H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H332 Harmful if inhaled.
 H336 May cause drowsiness or dizziness.

ACA HMIS Health rating. Slight hazard. (1)

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

ACA HMIS Personal protection rating. B

ACA HMIS Flammability rating. Will not burn. (0)

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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