TECHNICAL DATA SHEET

P329

CA COMPLIANT PRESSURE SENSITIVE ADHESIVE

Tensorgrip®

As part of our INDUSTRIAL range, P329 is a web spray adhesive designed for using the substates listed here.


Fabric


Foam

Metal / Aluminum Sheeting


Plywood


Corner Bead

CA Compliant


Web Spray

CO-REZ Technology


Heat Resistance up to 150°F/65°C

PRODUCT DESCRIPTION

Tensorgrip® P329 is a very aggressive, high build pressure sensitive adhesive designed to bond porous substrates while maintaining a high level of tack. Low VOC California Compliant SCAQMD 1168 Rule. Useful for bonding for Foam, Fabric, Metals and Wood. Formulated with CO-REZ Technology, which is an exceptional formulation incorporating a highly engineered resin and gas matrix. The result: Great Coverage from Less Canister Weight.

ADVANTAGES

- California Compliant Low VOC SCAQMD Rule 1168
- Very Aggressive, High Tack Adhesive
- Single Sided Application
- High Build Web Spray
- HAPS Free
- High Strength, long-term bond
- 100% Adhesive Transfer to Substrate
- Fully Portable
- No ODS (ozone depleting substances)

DIRECTIONS FOR USE

Tensorgrip® P329 is designed as a portable, self-contained spray system for field or shop applications.

- Apply adhesive to one or both surfaces to be mated, at 80% to 100% coverage. Spraying both surfaces will result in a stronger, more permanent bond.
  If bonding corner bead to gypsum, spraying on both surfaces is recommended, but not required. If applying single-sided, apply adhesive to the corner bead.
- Allow enough time (2-4 minutes or until dry to the touch) for the adhesive to become tacky before bonding.
- Parts should be mated with as much pressure as practical. Normal coverage required with web spray pattern is approximately 80%; however, porous surfaces may need a second coat.
- Initial bond is strong enough to allow cutting or trimming immediately, although ultimate strength is achieved in 1-3 days.
- Canister system will spray adequately above 60° F. Canister system should be kept in warm area. In the event that the canister gets abnormally chilled, freezes or gives poor or sputtering spray, it should be warmed up before continued usage. Warming canister by immersion in warm water is recommended.
- Notice!!! Do not store at temperatures over 120° F.

CANISTER STORAGE/CHANGE OVER

- If you choose to leave the hose and spray gun on the canister, leave the canister valve in the open position. Do not disconnect the hose/gun from the canister. Close and lock the spray gun.
- To change or disconnect canister: Turn canister valve to the off position, spray out remaining adhesive from the hose, disconnect the hose and spray gun from the canister.
- Reconnect the hose and spray gun to a new canister of adhesive and turn the canister valve to re-pressurize. Or if you are NOT connecting to a new canister, connect hose to canister of cleaner (sold separately) and spray out until liquid is clear as the indication the hose/gun is clean.

QUIN GLOBAL US

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TECHNICAL DATA SHEET

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CHEMICAL TECHNICAL DATA

TYPICAL PROPERTIES	
Total Solids	30–38%
VOC Content	43.13 g/L (Canister) & 32.5% by weight (Aerosol)
Color	Clear or Red
System Flammability	Flammable
Solvent System	Methyl Acetate
Dry time	2–4 mins dependent on temp & humidity
Open time	Long (1+ hours)
Shelf Life	18 months from date of manufacture

PACKAGING	
650 mL	Aerosol Can
7L	Disposable Canister
22L	Disposable Canister
108L	Returnable Canister
216L	Returnable Canister

APPLICATION TOOLS

TOOL	PART NUMBER				
		7 LITER	22 LITER	108 LITER	216 LITER
Hoses	M130-6 (6')	x			
	M130-12 (12')		x	x	x
	M130-18 (18')		x	x	x
	M130-25 (25')			x	x
	M130-36 (36')				x
	M130-50 (50')				x
Spray Guns	M120 (standard gun)	x	x	x	x
Spray Tip	UniJet® 9501B (4"-14" Med/High Build Adj. Spray)	x	x	x	x
	UniJet® 110015B (4"-13" Med. Build Spray Pattern)	x	x	x	x
Hose Splitter	M300 (2 way Splitter with 1 cap)			x	x

HANDLING AND STORAGE

- Consult 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 product to determine suitability for your particular application prior to use in production.

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SAFETY DATA SHEET

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

1. Identification

Product identifier

Product name Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

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 US, Inc.
5710 F St
Omaha NE 68117
(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 Flam. Aerosol 1 - H222 Press. Gas, Compressed - H280

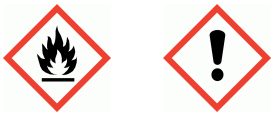
Health hazards Acute Tox. 4 - H302 Eye Irrit. 2A - H319 STOT SE 3 - H336

Environmental hazards Aquatic Chronic 3 - H412

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

Hazard symbols



Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

Precautionary statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P312 If swallowed: Call a poison center/ doctor if you feel unwell.
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.
P412 Do not expose to temperatures exceeding 50°C/122°F.

Supplemental label information

AT(d) 9.5% of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
AT(o) 9.5% of the mixture consists of ingredient(s) of unknown acute oral toxicity.

Contains

Methyl Acetate, Isopentane

Other hazards

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

3. Composition/information on ingredients

Mixtures

Methyl Acetate **30-60%**

CAS number: 79-20-9

Classification
Flam. Liq. 2 - H225
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Eye Irrit. 2A - H319
STOT SE 3 - H336

Isopentane **5-10%**

CAS number: 78-78-4

M factor (Acute) = 1

Classification
Flam. Liq. 1 - H224
Eye Irrit. 2A - H319
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

The full text for all hazard statements is 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.

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

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.

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

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

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.

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.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Methyl Acetate

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm
Short-term exposure limit (15-minute): ACGIH 250 ppm
Long-term exposure limit (8-hour TWA): OSHA 200 ppm 610 mg/m³

Isopentane

Long-term exposure limit (8-hour TWA): ACGIH 600 ppm

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. 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.

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

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 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	If exposure levels are likely to be exceeded, use a half face mask fitted with an organic vapor filter for short term low level exposures. For long term or high level exposures, a supplied air respirator should be used.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Aerosol.
Color	Clear. Red.
Odor	Organic solvents.
Flash point	-51°C/-60°F Method: Closed cup.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.4% Upper flammable/explosive limit: 16%
Vapor density	Heavier than air
Relative density	0.937
Solubility(ies)	Slightly soluble in water.
Volatile organic compound	This product contains a maximum VOC content of 43.13 g/l.

10. Stability and reactivity

Stability	Stable at normal ambient temperatures and when used as recommended.
Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Oxidizing agents. Reducing agents.
Materials to avoid	Avoid contact with strong oxidizing agents. Avoid contact with strong reducing agents. Strong acids. Bases.
Hazardous decomposition products	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Aldehydes. Hydrocarbons. Oxides of nitrogen. Cyanides.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	925.75

Acute toxicity - dermal

ATE dermal (mg/kg)	2,036.66

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	20.37

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

Toxicological information on ingredients.

Methyl Acetate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	500.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rat
ATE dermal (mg/kg)	1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	49.28
Species	Rat
ATE inhalation (vapours mg/l)	11.0

Isopentane

Acute toxicity - oral

ATE oral (mg/kg)	100.0

Acute toxicity - dermal

ATE dermal (mg/kg)	1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	1,280.0
Species	Rat
ATE inhalation (vapours mg/l)	11.0

Serious eye damage/irritation

Serious eye damage/irritation	Irritation of eyes is assumed.

Germ cell mutagenicity

Genotoxicity - in vitro	Ames Test Results: Negative.

Specific target organ toxicity - single exposure

STOT - single exposure	May cause drowsiness or dizziness

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

Aspiration hazard

Aspiration hazard Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

General information Absorbtion of large quantities may cause: Dizziness. Euphoria. Agitation. Convulsions. Narcosis.

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. (ICAO) 3501

UN No. (DOT) 3501

UN proper shipping name

Proper shipping name (TDG) Chemical Under Pressure, Flammable, N.O.S. (Methyl Acetate, Pentane)

Proper shipping name (IMDG) Chemical Under Pressure, Flammable, N.O.S. (Methyl Acetate, Pentane)

Proper shipping name (ICAO) Chemical Under Pressure, Flammable, N.O.S. (Methyl Acetate, Pentane)

Proper shipping name (DOT) Chemical Under Pressure, Flammable, N.O.S. (Methyl Acetate, Pentane)

Transport hazard class(es)

DOT hazard class 2.1

Transport labels

Packing group

Packing group (International) Not applicable.

15. Regulatory information

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

Guidance CHIP for everyone HSG228.
Workplace Exposure Limits EH40.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.

US Federal Regulations

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
Present.

SARA 313 Emission Reporting
Present.

SARA (311/312) Hazard Categories
Present.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
Present.

Massachusetts "Right To Know" List
Present.

New Jersey "Right To Know" List
Present.

Pennsylvania "Right To Know" List
Present.

Inventories

Canada - DSL/NDSL
Present.

US - TSCA
Present.

16. Other information

Revision date	1/23/2020
Revision	19
Supersedes date	1/23/2020
SDS No.	22638
Hazard statements in full	H222 Extremely flammable aerosol. H224 Extremely flammable liquid and vapor. H225 Highly flammable liquid and vapor. H280 Contains gas under pressure; may explode if heated. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
ACA HMIS Health rating.	Slight hazard. (1)
ACA HMIS Flammability rating.	Extremely flammable. (4)

Tensorgrip P329 California Compliant Pressure Sensitive Adhesive Canister

ACA HMIS Physical hazard rating.	Normally stable. (0)
ACA HMIS Personal protection rating.	B

DIRECTIONS FOR USE

PRODUCT LOGO