

PRODUCT DESCRIPTION

TensorBond® LB10N is a non-flammable high performance industrial spray grade contact adhesive formulated for general contact bonding.

TensorBond® LB10N is designed to deliver a smooth and strong bond in nearly any laminate application while maintaining perfect non-flammable properties.

APPLICATIONS

- Bonds laminate to particle board, melamine, metals and most plastics
- Also bonds: veneers, fabrics, upholstery, foam, cork, fiberglass and many plastics
- Applications where smoothness is required (e.g. glossy or thin laminate)
- Laminating flexible material in nearly any application

DIRECTIONS FOR USE

- **TensorBond® LB10N** should be applied to both surfaces to be bonded, 80% to 100% coverage. Allow to dry (2-4 minutes or until dry to the touch) parts should be mated under pressure. Apply pressure with a hand laminate roller or nip roller. Bonds should be made as soon practical. If adhesive is left to dry for over 30 minutes, parts should be recoated. 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 Recommendation:

- If you'd like to save time and increase your efficiency, Quin Global recommends using the Tensorgrip canister system – a pre-pressurized canister of adhesive. Ask us about this adhesive in a canister.

LBION HIGH-TEMPERATURE NON-FLAM SPRAYABLE CONTACT ADHESIVE

DATA SHEET
Tensorbond

BENEFITS

- Non-flammable
- Fast. High Tack
- Excellent high coverage
- 80% of final strength achieved immediately
- Full strength achieved in 24 hours
- Fast drying with long open time
- Excellent green strength and high heat resistance
- Over 220°F (105°C) temperature resistant
- No ODS (Ozone Depleting Substances)
- VOC free
- Qualifies for LEED®-NC & CI EQ Credit 4.4:
laminating adhesives shall contain no urea
formaldehyde resins
- OTC Compliant

CHEMICAL TECHNICAL DATA

TYPICAL PROPERTIES

- | | |
|----------------|--------------------|
| • VOC Content: | 0 grams per liter |
| • Solids: | 21% - 27% (Liquid) |
| • Appearance: | Clear or Quin Blue |
| • Shelf Life: | 15 Months |

PACKAGING

- 1 gallon can
- 5 gallon pail
- 55 gallon drum

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
Tensorbond LB10N Non Flam Sprayable Liquid Contact Adhesive

1. IdentificationProduct identifier

Product name Tensorbond LB10N Non Flam Sprayable Liquid Contact Adhesive

Product number USA

Recommended use of the chemical and restrictions on use

Application Solvent-based 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) identificationClassification of the substance or mixture

Physical hazards Not Classified

Health hazards 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

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**Hazard symbols**

Signal word

Danger

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Hazard statements	H301 Toxic if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. 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.
Precautionary statements	P260 Do not breathe vapor/ spray. P301+P310 If swallowed: Immediately call a poison center/ doctor. P302+P352 If on skin: Wash with plenty of water. 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. P312 Call a poison center/ doctor if you feel unwell.
Contains	Methylene Chloride

Other hazards

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

3. Composition/information on ingredients

Mixtures

Methylene Chloride	60-100%
CAS number: 75-09-2	
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	

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. 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.
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.

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Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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 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

Extinguishing media

Suitable extinguishing media Extinguish with Carbon Dioxide, Dry Chemical and Foam.

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

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 container tightly closed. Keep only in the original container.

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8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Methylene Chloride

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm

A3

Short-term exposure limit (15-minute): OSHA 125 ppm

Long-term exposure limit (8-hour TWA): OSHA 25 ppm

ACGIH = American Conference of Governmental Industrial Hygienists.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

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 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	Liquid.
Color	Clear. Blue.
Odor	Organic solvents.
Initial boiling point and range	Not determined.
Flash point	None.
Upper/lower flammability or explosive limits	None.
Vapor pressure	Not determined.
Vapor density	Not determined.
Relative density	1.22

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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 contact with the following materials: Oxidizing agents. Reducing agents.

Materials to avoid None known.

Hazardous decomposition products Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 131.96093956

Acute toxicity - dermal

ATE dermal (mg/kg) 1,451.57033518

Toxicological information on ingredients.

Methylene Chloride

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0

Species Rat

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rat

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 52.0

Species Rat

ATE inhalation (vapours mg/l) 11.0

Carcinogenicity

Carcinogenicity Cancinogenicity - rat - inhalation Limited evidence of carcinogenicity in animal studies

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Target organ for carcinogenicity Tumerigenic: Carcinogenic by RTECS criteria. Endocrine: Tumors

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

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

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

UN Number

UN No. (DOT) UN 1593

UN proper shipping name

Proper shipping name (DOT) UN 1593 Dichloromethane, 6.1

Transport hazard class(es)

TDG class 6.1

IMDG Class 6.1

ICAO class/division 6.1

Transport labels



Packing group

Packing group (International) Not applicable.

TDG Packing Group III

IMDG packing group III

ICAO packing group III

DOT packing group III

15. Regulatory information

Tensorbond LB10N Non Flam Sprayable Liquid Contact Adhesive

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

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
Present.

SARA 313 Emission Reporting
Present.

SARA (311/312) Hazard Categories
Present.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
Present.

Inventories

US - TSCA
Present.

16. Other information

Revision date 10/10/2019

Revision 6

Supersedes date 10/10/2019

SDS No. 20553

Hazard statements in full H301 Toxic if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H373 May cause damage to organs (Oral (Category 2), Inhalation (Category 2), Blood, Central nervous system, Liver) through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.

ACA HMIS Health rating. Moderate hazard. (2)

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

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

ACA HMIS Personal protection rating. B

DIRECTIONS FOR USE

Tensorbond LB10N Non Flam Sprayable Liquid Contact Adhesive

PRODUCT LOGO

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