

IB TPO SPRAY CONTACT ADHESIVE

Version 1.0

Date: 01/15/2026

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : IB TPO SPRAY CONTACT ADHESIVE

Manufacturer or supplier's details

Company : IB ROOF SYSTEMS, LLC

Address : 506 E. DALLAS RD STE 300
GRAPEVINE, TX 76051

Telephone : 1-800-426-1626

Emergency telephone number : 24-Hour Number: +1-800-424-9300 (CHEMTREC)

Recommended use of the chemical and restrictions on use

Recommended use : Adhesive

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Chemicals under pressure
Color	greenish-blue
Odor	characteristic

GHS Classification

Flammable aerosols : Category 1
 Gases under pressure : Compressed gas
 Skin irritation : Category 2
 Eye irritation : Category 2A
 Skin sensitization : Category 1
 Germ cell mutagenicity : Category 1B
 Carcinogenicity : Category 1A
 Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms



Signal Word : Danger

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Hazard Statements:

H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.
H350 May cause cancer.

Precautionary Statements:

Prevention: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing mist.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Storage: P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: P501 Dispose of contents/container to an approved waste disposal plant.

Potential Health Effects**Carcinogenicity:**

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
methyl acetate	79-20-9	20 - 30
cyclohexane	110-82-7	10 - 20
acetone	67-64-1	10 - 20
pentane	109-66-0	5 - 10
carbon dioxide	124-38-9	5 - 10
propane	74-98-6	5 - 10
butane	106-97-8	1 - 5
Epoxy resin	25068-38-6	0.1 - 1

Actual concentration is withheld as a trade secret

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SECTION 4. FIRST AID MEASURES

General advice	: If on clothes, remove clothes. Show this material safety data sheet to the doctor in attendance. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
If inhaled	: Remove person to fresh air. If signs/symptoms continue, get medical attention. If breathing has stopped, apply artificial respiration. In case of unconsciousness bring patient into stable side position for transport.
In case of skin contact	: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Call a physician if irritation develops or persists.
In case of eye contact	: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
If swallowed	: Do NOT induce vomiting. If accidentally swallowed obtain immediate medical attention.
Most important symptoms and effects, both acute and delayed	: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer.
Notes to physician	: No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water mist Dry powder Carbon dioxide (CO ₂) Alcohol-resistant foam
Unsuitable extinguishing media	: Do NOT use water jet.
Specific hazards during fire fighting	: May release toxic, irritating and/or corrosive gases. In case of fire, the following substance(s) may occur: Carbon monoxide
Specific extinguishing methods	:
Further information	: In the event of fire, wear self-contained breathing apparatus. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Remove all sources of ignition.
Use personal protective equipment.
Use breathing protection against the effects of fumes/dust/aerosol.
Evacuate personnel to safe areas. Ensure adequate ventilation. |
| Environmental precautions | : Refer to protective measures listed in sections 7 and 8.

: The product should not be allowed to enter drains, water courses or the soil.
Prevent the material from reaching sewage system, holes and cellars.

If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up | : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Non-sparking tools should be used. Ensure adequate ventilation.
Send for recovery or disposal in suitable containers.

Dispose of contaminated material as waste according to section 13. |

SECTION 7. HANDLING AND STORAGE

- | | |
|-----------------------------|--|
| Local/Total ventilation | : Use only with adequate ventilation. |
| Advice on safe handling | : Avoid formation of dust and aerosols.
Take note of emission threshold.
Use solvent-proof equipment.
Ensure that suitable extractors are available on processing machines.
Handle with care.
Keep eye wash bottle available on working place.
Avoid release to the environment.
Keep out of reach of children.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on an open flame or other ignition source.
Do not spray on an open flame or any incandescent material.
Keep away from sources of ignition - No smoking.
Keep away from children. |
| Conditions for safe storage | : Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Keep tightly closed in a dry, cool and well-ventilated place.
Protect against light. |
| Materials to avoid | : Do not store together with oxidizing and self-igniting products. |

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
methyl acetate	79-20-9	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 610 mg/m ³	OSHA Z-1
		TWA	200 ppm 610 mg/m ³	OSHA P0
		STEL	250 ppm 760 mg/m ³	OSHA P0
		PEL	200 ppm 610 mg/m ³	CAL PEL
		STEL	250 ppm 760 mg/m ³	CAL PEL
cyclohexane	110-82-7	TWA	100 ppm	ACGIH
		TWA	300 ppm 1,050 mg/m ³	NIOSH REL
		TWA	300 ppm 1,050 mg/m ³	OSHA Z-1
		TWA	300 ppm 1,050 mg/m ³	OSHA P0
		PEL	300 ppm 1,050 mg/m ³	CAL PEL
acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	1,000 ppm 2,400 mg/m ³	OSHA Z-1
		TWA	750 ppm 1,800 mg/m ³	OSHA P0
		STEL	1,000 ppm 2,400 mg/m ³	OSHA P0
		STEL	750 ppm 1,780 mg/m ³	CAL PEL
		C	3,000 ppm	CAL PEL
		PEL	500 ppm 1,200 mg/m ³	CAL PEL
pentane	109-66-0	C	610 ppm 1,800 mg/m ³	NIOSH REL
		TWA	120 ppm 350 mg/m ³	NIOSH REL
		TWA	1,000 ppm 2,950 mg/m ³	OSHA Z-1
		TWA	600 ppm 1,800 mg/m ³	OSHA P0
		STEL	750 ppm 2,250 mg/m ³	OSHA P0
		PEL	600 ppm 1,800 mg/m ³	CAL PEL
		TWA	1,000 ppm	ACGIH

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carbon dioxide	124-38-9	TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m ³	OSHA Z-1
		TWA	10,000 ppm 18,000 mg/m ³	OSHA P0
		STEL	30,000 ppm 54,000 mg/m ³	OSHA P0
		PEL	5,000 ppm 9,000 mg/m ³	CAL PEL
		STEL	30,000 ppm 54,000 mg/m ³	CAL PEL
propane	74-98-6	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,800 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m ³	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m ³	OSHA P0
		PEL	1,000 ppm 1,800 mg/m ³	CAL PEL
butane	106-97-8	TWA	800 ppm 1,900 mg/m ³	NIOSH REL
		TWA	800 ppm 1,900 mg/m ³	OSHA P0
		PEL	800 ppm 1,900 mg/m ³	CAL PEL
		STEL	1,000 ppm	ACGIH
Engineering measures	:	Please take note of national and local requirements.		

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Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate risk management measures (exhaust/ ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
Ensure that suitable extractors are available on processing machines.

Filter type : Combined particulates and organic vapor type or equipment with better protection

Hand protection

Material : Nitrile rubber or equipment with better protection

Remarks : Direct contact with the product must be avoided by organizational measures.

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

The exact break through time can be obtained from the protective glove producer and this has to be observed.

The gloves need to be disposed after the penetration time and replaced by new ones.

Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.

For the permanent contact gloves made of the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy over glove against mechanical strain is recommended in combination with the Barrier 02-100 under glove from Ansell or other suppliers (penetration time: 480 min).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Butyl rubber (minimum thickness: 0.7 mm; penetration time: 15 min)

As protection from splashes gloves made of the following materials are suitable:

Nitril (minimum thickness 0.12 mm), Disposable gloves with long cuffs
After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

Eye protection : Tightly fitting safety goggles or equipment with better protection

Skin and body protection : Protective clothing

Protective measures : Keep away from food, drink and animal feeding stuffs. Instantly remove any soiled and impregnated garments.
Wash hands before breaks and immediately after handling the product.
Avoid contact with the eyes and skin. Store protective clothing separately.
Wear suitable protective clothing.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Chemicals under pressure
Color	: greenish-blue
Odor	: characteristic
Odor Threshold	: is not determined
pH	: is not determined
Melting point/freezing point	: is not determined
Evaporation rate	: is not determined
Relative vapor density	: is not determined
Density	: 0.856 g/cm ³
Solubility(ies)	
Water solubility	: not miscible or difficult to mix
Partition coefficient: n-octanol/water	: no data available
Autoignition temperature	: is not determined
Thermal decomposition	: Not applicable
Explosive properties	: Product is not explosive. However, formation of explosive vapor/air mixtures is possible.
VOC, less water, in g/l	: 244

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No further relevant information available.
Chemical stability	: No decomposition if used according to the specifications.
Possibility of hazardous reactions	: Develops readily flammable vapors/fumes.
Conditions to avoid	: Heat may lead to dangerous pressure build-up in sealed container.
Incompatible materials	: No further relevant information available.
Hazardous decomposition products	: No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Components:****methyl acetate:**

Acute inhalation toxicity	: LC50 Rat: 16000 ppm Exposure time: 4 h Test atmosphere: vapor
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cyclohexane:

Acute inhalation toxicity	: LC50 Rat: 13.9 mg/l Exposure time: 4 h Test atmosphere: vapor
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Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

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SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****methyl acetate:**

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 250 - 350 mg/l
Exposure time: 96 h
Test Method: static test

cyclohexane:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3.96 - 5.18 mg/l
Exposure time: 96 h
Test Method: flow-through test

pentane:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 9.87 mg/l
Exposure time: 96 h
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 9.74 mg/l
Exposure time: 48 h
Test Method: static test

Persistence and degradability

No data available

Bioaccumulative potential**Components:****methyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 0.18

acetone:

Partition coefficient: n-octanol/water : log Pow: -0.24

Epoxy resin:

Partition coefficient: n-octanol/water : log Pow: 2.64 - 3.78 (25 °C)
pH: 7
GLP: yes

Mobility in soil**Product:**

Mobility : Medium: Soil
Remarks: Do not allow product to reach ground water, water bodies or sewage system.

Other adverse effects

No data available

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SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

- | | | |
|------------------------|---|--|
| Waste from residues | : | Do not dispose of together with household waste. Do not dispose of waste into sewer.
To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended, as industry best practice. Consult state, local or provincial authorities for more restrictive requirements. |
| Contaminated packaging | : | Disposal must be made according to official regulations. |

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

- | | | |
|---|---|---|
| UN/ID No. | : | UN 3501 |
| Proper shipping name | : | Chemical under pressure, flammable, n.o.s.
(Methyl acetate, Pentane) |
| Class | : | 2.1 |
| Packing group | : | Not assigned by regulation |
| Labels | : | Flammable Gas |
| Packing instruction
(cargo aircraft) | : | 218 |
| Packing instruction
(passenger aircraft) | : | Not permitted for transport |

IMDG-Code

- | | | |
|----------------------|---|--|
| UN number | : | UN 3501 |
| Proper shipping name | : | CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.
(METHYL ACETATE, PENTANE, CYCLOHEXANE) |
| Class | : | 2.1 |
| Packing group | : | Not assigned by regulation |
| Labels | : | 2.1 |
| EmS Code | : | <u>F-D</u> , <u>S-U</u> |
| Marine pollutant | : | yes |

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**49 CFR**

UN/ID/NA number : UN 3501
Proper shipping name : Chemical under pressure, flammable, n.o.s.
(METHYL ACETATE, PENTANE)
Class : 2.1
Packing group : Not assigned by regulation
Labels : FLAMMABLE GAS
ERG Code : 115
Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids) Gases under pressure
Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity
Skin corrosion or irritation
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

SARA 302 : This material does not contain any components with section 302 EHS TPQ.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:
cyclohexane 110-82-7

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Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

Xylene

1330-20-7

US State Regulations

California Prop 65

Please contact Supplier for more information.

The ingredients of this product are reported in the following inventories:

TSCA

All substances listed as active on the TSCA inventory

DSL

All components of this product are on the Canadian DSL

Please reach out to H.B. Fuller for further information regarding chemical inventories not listed above.

Inventories Legend

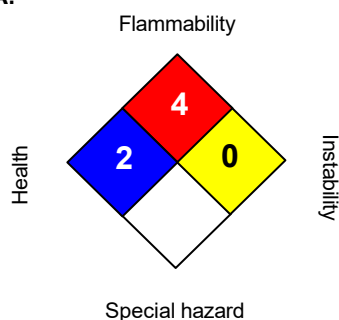
TSCA (USA), DSL (Canada), REACH(Europe), AIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

SECTION 16. OTHER INFORMATION

Prepared by: technical@ibroof.com

Further information

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	4
PHYSICAL HAZARD	3

0 = not significant,
1 = Slight,
2 = Moderate,
3 = High
4 = Extreme,
* = Chronic

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.