

**IB TPO WATER BASED ADHESIVE**

Version 1.0

Date 01/15/2026

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Trade name : IB TPO WATER BASED 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 : 1-800-424-9300 (CHEMTREC)

**Recommended use of the chemical and restrictions on use**

Restrictions on use : For professional users only.

Prepared by : [technical@ibroof.com](mailto:technical@ibroof.com)**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015)**

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitization : Category 1

**GHS label elements**Hazard pictograms : 

Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ eye protection/ face protection.

## IB TPO WATER BASED ADHESIVE

Version 1.0

Date 01/15/2026

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
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.

**Disposal:**

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

Adhesives and/or sealants

**Hazardous components**

Chemical name	CAS-No.	Concentration (%)
2-propenoic acid, polymer with butyl 2-propenoate and 2-propenenitrile	25686-45-7	>= 30 - < 60
rubber, natural	9006-04-6	>= 30 - < 60
2-dimethylaminoethanol	108-01-0	>= 1 - < 5

Actual concentration or concentration range is withheld as a trade secret

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**SECTION 4. FIRST AID MEASURES**

General advice : Show this safety data sheet to the doctor in attendance.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation develops or persists.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If easy to do, remove contact lens, if worn. Protect unharmed eye. If eye irritation persists, consult a specialist.

If swallowed : DO NOT induce vomiting unless directed to do so by a physician or poison control center. Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed : Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.



## IB TPO WATER BASED ADHESIVE

Version 1.0

Date 01/15/2026

Smoking, eating and drinking should be prohibited in the application area.

Conditions for safe storage	:	Perishable if frozen.
Materials to avoid	:	No materials to be especially mentioned.
Storage period	:	12 Months
Further information on storage stability	:	Do not freeze.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
rubber, natural	9006-04-6	TWA (inhalable fraction)	0.0001 mg/m <sup>3</sup> (inhalable allergenic proteins)	ACGIH

### Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hand protection		
Material	:	Protective gloves
Remarks	:	Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Eye protection	:	Wear safety glasses with side shields or goggles.
Skin and body protection	:	Wear protective clothing, such as long-sleeved shirts and pants.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Written instructions for handling must be available at the work place.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
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## IB TPO WATER BASED ADHESIVE

Version 1.0

Date 01/16/2026

Color	: light blue
Odor	: slight, ammoniacal
Odor Threshold	: No data available
pH	: 10 - 11
Melting point/freezing point	: ca. 0 °C
Boiling point/boiling range	: 100 °C
Flash point	: does not flash
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: No data available
Density	: 0.99 g/cm³
Solubility(ies)	
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: 10,000 - 15,000 mPa.s
Viscosity, kinematic	: No data available

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous	: Stable under recommended storage conditions.

## IB TPO WATER BASED ADHESIVE

Version 1.0

Date 01/16/2026

reactions	No hazards to be specially mentioned.
Conditions to avoid	: No data available
Incompatible materials	: No data available
Hazardous decomposition products	: No data available

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

**Acute toxicity****Components:****2-dimethylaminoethanol:**

Acute oral toxicity	: LD50 (Rat, male and female): 1,182.7 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	: LC50 (Rat, male and female): 1,641 mg/l Exposure time: 4 h Test atmosphere: vapor Method: OECD Test Guideline 403 GLP: no Assessment: The component/mixture is toxic after short term inhalation.
Acute dermal toxicity	: LD50 (Rabbit, male): 1,219 mg/kg Method: OECD Test Guideline 402 GLP: no

**Skin corrosion/irritation****Components:****2-propenoic acid, polymer with butyl 2-propenoate and 2-propenenitrile:**  
Result: irritating**Skin corrosion/irritation****2-dimethylaminoethanol:**

## IB TPO WATER BASED ADHESIVE

Version 1.0

Date 01/16/2026

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Corrosive after 3 minutes to 1 hour of exposure GLP: yes

### **Serious eye damage/eye irritation**

Causes serious eye damage.

#### **Product:**

Result: irritating

### **Serious eye damage/eye irritation**

#### **Components:**

#### **2-propenoic acid, polymer with butyl 2-propenoate and 2-propenenitrile:**

Result: irritating

### **Serious eye damage/eye irritation**

#### **2-dimethylaminoethanol:**

Species: Rabbit

Result: Irreversible effects on the eye

Method: OECD Test Guideline 405 GLP: no

Respiratory sensitization: Not classified based on available information.

### **Respiratory or skin sensitization**

#### **Components:**

#### **rubber, natural:**

Exposure routes: Skin contact

Result: Probability or evidence of skin sensitization in humans Remarks:

largely based on human evidence

### **Respiratory or skin sensitization**

#### **2-dimethylaminoethanol:**

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA (29 CFR 1910 Subpart Z, Toxic and Hazardous Substances).

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## IB TPO WATER BASED ADHESIVE

Version 1.0

Date 01/16/2026

**STOT - single exposure****Components:****2-dimethylaminoethanol:**

Exposure routes: Inhalation

Target Organs: Respiratory system Assessment:

May cause respiratory irritation.

**Aspiration toxicity**

Not classified based on available information.

**Further information****Product:**

Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:****Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

**Components:****2-dimethylaminoethanol:**Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 146.63 mg/l End point: mortality  
Exposure time: 96 h Test Type: static test  
Analytical monitoring: no Method: DIN 38412  
GLP: noToxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 98.37 mg/l End point: mortality  
Exposure time: 48 h Test Type: static test Analytical monitoring: no  
Method: Regulation (EC) No. 440/2008, Annex, C.2 GLP: noToxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 66.08 mg/l  
Exposure time: 72 h Test Type: static testToxicity to fish (Chronic toxicity) : Chronic Toxicity Value: 239.187 mg/l  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Toxicity to daphnia and other : Chronic Toxicity Value (Daphnia sp. (water flea)): 7.253 mg/l

## IB TPO WATER BASED ADHESIVE

Version 1.0

Date 01/16/2026

aquatic invertebrates  
(Chronic toxicity)

Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

**Persistence and degradability****Components:****2-dimethylaminoethanol:**

Biodegradability : aerobic  
Concentration: 100 mg/l Result: Readily biodegradable. Biodegradation: 60.5 %  
Exposure time: 14 d  
Method: OECD Test Guideline 301C

**Bioaccumulative potential****Components:****2-dimethylaminoethanol:**

Partition coefficient: : log Pow: -0.55 (23 °C)  
n-octanol/water

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

## IB TPO WATER BASED ADHESIVE

Version 1.0

Date 01/16/2026

### SECTION 14. TRANSPORT INFORMATION

#### International transport regulations

Land transport

USDOT: Not classified as a dangerous good under transport regulations TDG: Not classified as a dangerous good under transport regulations

Sea transport

IMDG: Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO: Not classified as a dangerous good under transport regulations

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### SECTION 15. REGULATORY INFORMATION

#### TSCA list

TSCA - 5(a) Significant New Use Rule List of Chemicals : No substances are subject to a Significant New Use Rule.

U.S. Toxic Substances Control Act (TSCA) Section 12(b) : No substances are subject to TSCA 12(b) export notification requirements.

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Respiratory or skin sensitization Skin corrosion or irritation  
Serious eye damage or eye irritation

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

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

## IB TPO WATER BASED ADHESIVE

---

Version 1.0

Date 01/16/2026

**California Prop. 65**

This product does not require a warning under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

**The components of this product are reported in the following inventories:**

TSCA : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory

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### SECTION 16. OTHER INFORMATION

**Further information**

Created Date : 01/15/2026

**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.