

**BOSTIK H P STYRENE ADHESIVE BLUE**  
 Revision Number 1.01

Revision Date 27-May-2018  
 Supersedes Date: 01-Jun-2017

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** BOSTIK H P STYRENE ADHESIVE BLUE  
**Pure substance/mixture** Mixture

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Contact adhesives.  
**Uses advised against** Consumer use.

### 1.3. Details of the supplier of the safety data sheet

#### Company Name

Bostik New Zealand Limited  
 19 Eastern Hutt Road Wingate,  
 Lower Hutt, New Zealand  
 Tel: 04-567 5119  
 Fax: 04-567 5412

### 1.4. Emergency telephone number

**Emergency Telephone** 24 Hr: 0800 243 622  
 +64 4 917 9888  
 Poison Centre : 0800 764 766

**E-mail address** SDS.AP@Bostik.com

## Section 2: HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Aspiration toxicity	Category 1 (6.1E <sup>9</sup> )
Skin Corrosion/Irritation	Category 2 (6.3A)
Skin sensitization	Category 1 (6.5B)
Reproductive toxicity	Category 2 (6.8B)
STOT - Single Exposure	Category 3 (!)
Specific target organ toxicity (repeated exposure)	Category 2 (6.9B)
Acute aquatic toxicity	Category 2 (9.1D)
Chronic aquatic toxicity	Category 2 (9.1B)
Flammable Liquids	Category 2 (3.1B)

Classification in parenthesis is applicable for New Zealand Hazard Classification

**ERMA Group** HSR002662

### 2.2. Label Elements



**Signal Word** DANGER

#### Hazard statements

H336 - May cause drowsiness or dizziness

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H411 - Toxic to aquatic life with long lasting effects  
H361 - Suspected of damaging fertility or the unborn child  
H317 - May cause an allergic skin reaction  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H373 - May cause damage to organs through prolonged or repeated exposure  
H225 - Highly flammable liquid and vapor

## Precautionary Statements - Prevention

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P281 - Use personal protective equipment as required  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P280 - Wear protective gloves  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P271 - Use only outdoors or in a well-ventilated area  
P273 - Avoid release to the environment  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P235 - Keep cool

## Precautionary Statements - Response

P321 - Specific treatment (see supplemental first aid instructions on this label)

### Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### Skin

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P363 - Wash contaminated clothing before reuse

### Ingestion

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P331 - Do NOT induce vomiting

### Fire

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

### Spill

P391 - Collect spillage

## Precautionary Statements - Storage

P405 - Store locked up  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

## Precautionary Statements - Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

## 2.3. Other Hazards

- May be harmful in contact with skin

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## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Naphtha, petroleum, hydrotreated light, <0.1% Benzene	64742-49-0	40 - <80
Hexane	110-54-3	10 - <20
Resin acids and rosin acids, esters with pentaerythritol	8050-26-8	1 - <5
Acetone	67-64-1	1 - <3
Phenol, nonyl-, phosphite (3:1)	26523-78-4	0.1- <1

\*\*\* Any remaining ingredients are not hazardous

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General Advice</b>	If medical advice is needed, have product container or label at hand.
<b>Inhalation</b>	Remove to fresh air.
<b>Skin Contact</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
<b>Self-Protection of the First Aider</b>	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** None known.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

### 4.4. Reference to Other Sections

**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND STORAGE. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Use CO<sub>2</sub>, dry chemical, or foam. Move containers from fire area if you can do it without risk.

**Unsuitable Extinguishing Media** No information available.

### 5.2. Special hazards arising from the substance or mixture

**Specific Hazards Arising from the Chemical** Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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## 5.3. Advice for firefighters

**Special Protective Equipment for Fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**For emergency responders** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 6.2. Environmental precautions

**Environmental Precautions** Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### 6.3. Methods and material for containment and cleaning up

**Methods for Containment** Dike far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Protect from moisture.

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Dike far ahead of spill for later disposal.

### 6.4. Reference to other sections

**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION  
Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## **Section 7: HANDLING AND STORAGE**

### 7.1. Precautions for safe handling

**Advice on safe handling** Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ventilating/ lighting/ equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

**General Hygiene Considerations** Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

**Storage Conditions** Keep only in the original container/package in a cool well-ventilated place. Protect from moisture. Protect from direct contact with water or excessive moisture.

**Incompatible Materials** Strong acids and bases

### 7.3. Specific end use(s)

**Other Information** No information available.

### 7.4. References to Other Sections

**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND STORAGE. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Limits

Chemical Name	New Zealand	Australia	European Union
Hexane 110-54-3	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>	20 ppm TWA 72 mg/m <sup>3</sup> TWA	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>
Acetone 67-64-1	TWA: 500 ppm TWA: 1185 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 2375 mg/m <sup>3</sup>	500 ppm TWA 1185 mg/m <sup>3</sup> TWA 1000 ppm STEL 2375 mg/m <sup>3</sup> STEL	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup>

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL
Hexane 110-54-3	TWA: 50 ppm S*	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1800 mg/m <sup>3</sup>
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**OTHER INFORMATION** No information available

### 8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

#### PPE - Personal Protection Equipment

<b>Eye/Face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
<b>Hand Protection</b>	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
<b>General Hygiene Considerations</b>	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

**Environmental Exposure Controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Viscosity Liquid Low
<b>Color</b>	Blue
<b>Odor</b>	Solvent
<b>Odor Threshold</b>	No information available

Property	Values	Remarks • Method
<b>pH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	approx 56 °C / 132.8 °F	
<b>Flash Point</b>	approx -30 °C / -22 °F	

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Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper flammability limit:	7.8	
Lower flammability limit:	1.2	
Vapor Pressure	No information available	
Vapor Density	No information available	
Relative Density	No information available	
Water Solubility	Negligible	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	225 °C / 437 °F	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

## 9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
Solvent content (%)	No information available
Solid content (%)	approx 28
Density	0.8 g/cm <sup>3</sup>
Bulk Density	No information available
VOC	> 300 g/L

## **Section 10: STABILITY AND REACTIVITY**

### 10.1. Reactivity

Reactivity Stable under recommended storage conditions.

### 10.2. Chemical stability

Stability Stable under recommended storage conditions

### 10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid Keep away from heat, sparks and flames. Protect from moisture.

### 10.5. Incompatible materials

Incompatible Materials Strong acids and bases.

### 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

## **Section 11: TOXICOLOGY INFORMATION**

### 11.1. Information on toxicological effects

#### Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.  
Inhalation No data available.

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<b>Eye contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.

## Numerical measures of toxicity

### Unknown acute toxicity

12.64908 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
12.64908 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
81.05227 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
81.05227 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
84.81787 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha, petroleum, hydrotreated light, <0.1% Benzene 64742-49-0	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 73680 ppm ( Rat ) 4 h
Hexane 110-54-3	= 25 g/kg ( Rat )	= 3000 mg/kg ( Rabbit )	= 48000 ppm ( Rat ) 4 h
Resin acids and rosin acids, esters with pentaerythritol 8050-26-8	>2000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	-
Acetone 67-64-1	= 5800 mg/kg ( Rat )	>15800 mg/Kg (rat)	= 79 mg/l( Rat ) 4 h
Phenol, nonyl-, phosphite (3:1) 26523-78-4	= 10000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious Eye Damage/Eye Irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Target Organ Effects</b>	Central nervous system, Eyes, Peripheral Nervous System (PNS), Respiratory system, Skin.
<b>Aspiration hazard</b>	No information available.
<b>Carcinogenicity</b>	No information available.

## **Section 12: ECOLOGICAL INFORMATION**

### 12.1. Toxicity

#### Ecotoxicity

#### Product Information

Harmful to aquatic life. Toxic to aquatic life with long lasting effects.

#### Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Naphtha, petroleum, hydrotreated light, <0.1% Benzene 64742-49-0	-	-	LC50 96 h = 2.6 mg/L (Chaetogammarus marinus )
Hexane 110-54-3	-	LC50 96 h 2.1 - 2.98 mg/L (Pimephales promelas flow-through)	EC50 24 h > 1000 mg/L (Daphnia magna )
Resin acids and rosin acids, esters with pentaerythritol 8050-26-8	>1000 mg/L	>1000 mg/L	>1000 mg/L
Acetone	-	LC50 96 h 4.74 - 6.33 mL/L	EC50 48 h 10294 - 17704 mg/L

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67-64-1		(Oncorhynchus mykiss )	(Daphnia magna Static)
Phenol, nonyl-, phosphite (3:1) 26523-78-4	-	LC50 96 h < 10 mg/L (Brachydanio rerio static)	EC50 48 h = 0.42 mg/L (Daphnia magna )

## 12.2. Persistence and degradability

No information available.

## 12.3. Bioaccumulative potential

No information available.

## 12.4. Mobility in soil

No information available.

## 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

## 12.6. Other adverse effects

No information available.

## **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

**Waste from Residues/Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Improper disposal or reuse of this container may be dangerous and illegal.

## **Section 14: TRANSPORTATION INFORMATION**

### IMDG

**UN Number** UN1133  
**Proper Shipping Name** Adhesives (Naphtha, petroleum, hydrotreated light, <0.1% Benzene), Marine Pollutant  
**Transport hazard class(es)** 3  
**Packing Group** II  
**Marine Pollutant** P This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO  
**EmS-No** F-E, S-D  
**Limited Quantity (LQ)** 5 L  
**Description** UN1133, Adhesives (Naphtha, petroleum, hydrotreated light, <0.1% Benzene), 3, II, (-30°C c.c.), Marine Pollutant

### IATA

**UN/ID No** UN1133  
**Proper Shipping Name** Adhesives  
**Transport hazard class(es)** 3  
**Packing Group** II  
**ERG Code** 3L  
**Limited Quantity (LQ)** 1 L  
**Special Provisions** A3  
**Description** UN1133, Adhesives, 3, II

### ADR

**UN/ID No** UN1133  
**Proper Shipping Name** Adhesives, Environmentally Hazardous  
**Transport hazard class(es)** 3  
**Labels** 3  
**Packing Group** II  
**Description** UN1133, Adhesives, 3, II, (D/E), Environmentally Hazardous



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<b>Environmental Hazard</b>	Yes
<b>Limited Quantity (LQ)</b>	5 L
<b>Special Provisions</b>	640C
<b>Classification Code</b>	F1
<b>Tunnel Restriction Code</b>	(D/E)

## Section 15: REGULATORY INFORMATION

### National Regulations

## Section 16: OTHER INFORMATION

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

No information available

### **Key Literature References and Sources for Data**

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 27-May-2018

**Revision Note** Not applicable.

**Training Advice** Provide adequate information, instruction, and training for operator

### **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.

**End of Safety Data Sheet**