

**BOSTIK TWO-IN-ONE**  
Version 1

Revision Date 05-Jul-2016  
Supersedes Date: No information available

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

### 1.1. Product Identifier

**Product Name** BOSTIK TWO-IN-ONE  
**Pure substance/mixture** mixture

### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Recommended use** Adhesives.  
**Uses Advised Against** No information available.

### 1.3. Details of the Supplier of the Safety Data Sheet

**Company Name**  
Bostik (Shanghai) Management Co., Ltd  
Building 1, No.968 Guanghai Road, Minhang District  
Shanghai, China  
Tel: 021-60763101  
Fax: 021-60763133

**Manufacturer**  
Bostik India Private Ltd  
124/1 & 124/2A  
Kachanayakanahalli  
Behind Bommasandra Indl.Area  
Off Hosur Road, Hennagara Post,  
Anekal Taluk  
Bangalore - 562106, Karnataka,  
INDIA  
Tel: 0091-80-27833520  
Fax: 00 91-80-27831324  
Email: Bostikinfo.India@bostik.com

Please refer to Section 16 for local affiliate addresses.

### 1.4. Emergency Telephone Number

**Emergency Telephone** 0532-8388 9090 (China only)  
**E-mail address** SDS.AP@Bostik.com

## Section 2: HAZARD IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

<b>Carcinogenicity</b>	Category 1A (6.7A)
------------------------	--------------------

Classification in parenthesis is applicable for New Zealand Hazard Classification

**ERMA Group** No information available

### 2.2. Label Elements



**Signal Word** DANGER

**Hazard statements**  
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

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P281 - Use personal protective equipment as required

## Precautionary Statements - Response

P308 + P313 - IF exposed or concerned: Get medical advice/attention

## Inhalation

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

## Skin

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

## Ingestion

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

## Precautionary Statements - Storage

P405 - Store locked up

## Precautionary Statements - Disposal

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

## 2.3. Other Hazards

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

This product is a mixture. Health hazard information is based on its components.

### 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Formaldehyde	50-00-0	0.1 - 1
Methanol	67-56-1	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>	Immediate medical attention is required.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If symptoms persist, call a physician.
<b>Self-protection of the First Aider</b>	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

### 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** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Section 11: TOXICOLOGY INFORMATION.

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## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media** Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** No information available.

### 5.2. Special Hazards Arising from the Substance or Mixture

**Specific Hazards Arising from the Chemical** Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.

### 5.3. Advice for Firefighters

**Special Protective Equipment for Fire-fighters** Wear self-contained breathing apparatus and protective suit.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Evacuate personnel to safe areas. Use personal protection recommended in Section 8.

### 6.2. Environmental Precautions

**Environmental Precautions** Keep people away from and upwind of spill/leak.

### 6.3. Methods and Material for Containment and Cleaning up

**Methods for Containment** Stop leak if you can do it without risk.

**Methods for Cleaning up** Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal. Soak up with inert absorbent material.

### 6.4. Reference to other sections

**Reference to Other Sections** Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Advice on Safe Handling** Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Do not reuse container.

### 7.2. Conditions for Safe Storage, including any Incompatibilities

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing.

**Incompatible Materials** No information available

### 7.3. Specific End Use(s)

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Other Information No information available.

## 7.4. References to Other Sections

Reference to Other Sections Section 13: DISPOSAL CONSIDERATIONS. Section 10: STABILITY AND REACTIVITY.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

#### Exposure Limits

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	European Union
Formaldehyde 50-00-0	Ceiling: 0.3 ppm	IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm	TWA: 0.75 ppm STEL: 2 ppm see 29 CFR 1910.1048	-
Methanol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> S*

Chemical Name	Australia	China	Japan	Korea	New Zealand
Formaldehyde 50-00-0	1 ppm 1.2 mg/m <sup>3</sup> 2 ppm STEL 2.5 mg/m <sup>3</sup> STEL	Ceiling: 0.5 mg/m <sup>3</sup> Ceiling	Ceiling: 0.2 ppm Ceiling: 0.24 mg/m <sup>3</sup> TWA: 0.1 ppm TWA: 0.12 mg/m <sup>3</sup> ISHL/ACL: 0.1 ppm	STEL: 1 ppm STEL: 1.5 mg/m <sup>3</sup> TWA: 0.5 ppm TWA: 0.75 mg/m <sup>3</sup>	TWA: 0.5 ppm TWA: 0.33 ppm Ceiling: 1 ppm
Methanol 67-56-1	200 ppm 262 mg/m <sup>3</sup> 250 ppm STEL 328 mg/m <sup>3</sup> STEL Skin	TWA: 25 mg/m <sup>3</sup> STEL: 50 mg/m <sup>3</sup> Skin	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> Skin ISHL/ACL: 200 ppm	Skin STEL: 250 ppm STEL: 310 mg/m <sup>3</sup> TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 262 mg/m <sup>3</sup> STEL: 250 ppm STEL: 328 mg/m <sup>3</sup> Skin

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 Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas. Use explosion-proof ventilating equipment.

#### Personal Protective Equipment (PPE)

<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 No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

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Appearance	Dispersion
Color	Brown
Odor	Ammonia
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9	
Melting Point/Freezing Point	No information available	
Boiling Point	> 100 °C / 212 °F	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
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 (%)	37
Density	1.19 g/cm <sup>3</sup>
Bulk Density	No information available
VOC	

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

### 10.1. Reactivity

Reactivity None under normal use conditions.

### 10.2. Chemical Stability

Stability Stable under normal conditions

### 10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization None known.

### 10.4. Conditions to Avoid

Conditions to Avoid Extremes of temperature and direct sunlight. Keep from freezing.

### 10.5. Incompatible Materials

Incompatible Materials No information available.

### 10.6. Hazardous Decomposition Products

Hazardous Decomposition Products Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.

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## 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.  
**Eye contact** No Data Available.  
**Skin Contact** No Data Available.  
**Ingestion** No Data Available.

#### Numerical measures of toxicity

##### Unknown acute toxicity

4E-06 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
38.000004 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
38.000004 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
38.000004 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
38.000004 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Formaldehyde 50-00-0	= 100 mg/kg ( Rat )	= 270 mg/kg ( Rabbit )	= 0.578 mg/L ( Rat ) 4 h
Methanol 67-56-1	= 2500 mg/kg ( Rat )	200-1000 mg/kg ( Rabbit )	= 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h

#### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Skin Corrosion/Irritation** No information available.  
**Serious Eye Damage/Eye Irritation** No information available.  
**Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**Reproductive Toxicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**Target Organ Effects** No information available.  
**Aspiration Hazard** No information available.  
**Carcinogenicity** The following substance(s) are classified in Annex VI CLP (1272/2008) as carcinogenic.

Chemical Name	IARC	China	Japan
Formaldehyde	Group 1	-	Group 2A

IARC (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

##### Product Information

None known.

##### Component Information

Data obtained on the component(s) include

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Formaldehyde 50-00-0	-	LC50 96 h = 1510 µg/L (Lepomis macrochirus static) LC50 96 h 100 - 136 mg/L (Oncorhynchus mykiss static) LC50 96 h 23.2 - 29.7 mg/L (Pimephales promelas static) LC50	EC50 48 h 11.3 - 18 mg/L (Daphnia magna Static) LC50 48 h = 2 mg/L (Daphnia magna )

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		96 h 22.6 - 25.7 mg/L (Pimephales promelas flow-through) LC50 96 h = 41 mg/L (Brachydanio rerio static) LC50 96 h 0.032 - 0.226 mL/L (Oncorhynchus mykiss flow-through)	
Methanol 67-56-1	-	LC50 96 h 13500 - 17600 mg/L (Lepomis macrochirus flow-through) LC50 96 h 18 - 20 mL/L (Oncorhynchus mykiss static) LC50 96 h = 28200 mg/L (Pimephales promelas flow-through) LC50 96 h > 100 mg/L (Pimephales promelas static) LC50 96 h 19500 - 20700 mg/L (Oncorhynchus mykiss flow-through)	-

## 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** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## **Section 14: TRANSPORTATION INFORMATION**

**IMDG** Not regulated

**IATA** Not regulated

**ADR** Not regulated

## **Section 15: REGULATORY INFORMATION**

### National Regulations

#### China

This product contains the following substance(s)

Chemical Name	Weight-%	China - Catalog of Hazardous
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		Chemicals - Hazardous Chemicals
Formaldehyde 50-00-0	0.1 - 1	X
Methanol 67-56-1	0.1 - 1	X

## Japan

This product contains the following Class 1 and Class 2 Designated Chemical Substances per Japan PRTR Law.

Chemical Name	Weight-%	Japan - Pollutant Release Transfer Register (PRTR) - Class 1 Substances
Formaldehyde 50-00-0	0.1 - 1	X

## Korea

### **K-REACH/chemical control act(CCA)**

This product contains the following substance(s)

Chemical Name	Weight-%	Korea - MOE - K-REACH/CCA - Toxic Substances	Korea - MOE - K-REACH/CCA - Prohibited Substances	Korea - MOE - K-REACH/CCA - Restricted Substances	Korea - MOE - Chemicals Control Act (CCA) - Accident Precaution Chemicals	Korea - MOE - K-REACH - Existing Substances Subject to Registration
Formaldehyde 50-00-0	0.1 - 1	O		O	O	O
Methanol 67-56-1	0.1 - 1	O			O	O

## International Regulations

### Europe

#### **Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

#### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## **Section 16: OTHER INFORMATION**

### Local Contacts



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Bostik Korea, Ltd.  
6F, 21  
Gukhoe-daero 62-gil Yeongdeungpo-gu  
Seoul, 07236  
Korea  
Tel: +82-02-3703-6870  
Fax: +82-02-3703-6850

Bostik-Nitta Co, Ltd  
2-22,Futamata  
Yao, Osaka  
Japan  
Tel: 81-72-948-8286  
Fax: 81-72-948-8273

Bostik India Private Ltd  
124/1 & 124/2A  
Kachanayakanahalli  
Behind Bommasandra Indl.Area  
Off Hosur Road, Hennagara Post,  
Anekal Taluk  
Bangalore - 562106, Karnataka,  
INDIA  
Tel: 0091-80-27833520  
Fax: 00 91-80-27831324  
Email: Bostikinfo.India@bostik.com

Bostik Findley (Malaysia) Sdn. Bhd  
Lot 112 & 113,  
Kawasan Perindustrian senawang,  
seremban, negeri sembilan, Malaysia  
Tel: 606-6789788  
Fax: 606-6789766

Bostik Findley (Malaysia) S/B  
(Singapore Branch)  
2 Jurong East  
Street 21 #02-184  
IMM Building  
Singapore 609601  
Tel: 65-6863-4088  
Fax: 65-6863-4077

Bostik (Thailand) Co., Ltd  
1/32 Bang-na Thani  
Tower 16th A Foolr.  
Soi Bangna-Trad 34,  
Bangna-Trad rd.  
Bang-na, Bangkok  
Tel: 02-361 6460-7  
Fax: 02-361 6469  
Bostik Vietnam Company Limited  
10 Doc Lap Avenue,  
VSIP 1. Thuan An District,  
BinhDuong Province. Viet Nam.  
Tel: 84 650 3765105  
Fax: 84 650 3765109

Bostik Phillippines, Inc.  
35/F Raffles Corporate Center,  
F. Ortigas Jr. Road  
Ortigas Business Center,  
Pasig city, Phillippines  
Tel: 632-900-5656  
Fax: 632-900-5622

Bostik Indonesia  
Setiabudi Atrium Building,  
Level 2, Suite 203 A  
Jl. HR Rasuna Said  
Jakarta Indonesia 12920  
Tel: 62 21 521 0404  
Fax: 62 21 521 0554  
Jiangsu Bositk Adhesive Co.,Ltd  
No.15-9, Xinggang Road, Changshu  
Enconomic Development Zone  
Jiangsu Province 215536  
Tel: 0086-512-52266000  
Fax: 0086-512-52266020

Bostik Findley (China) Adhesive Ltd  
No.75, Xin Zhuang 2 Road, Yong He  
District, GETDD  
Guangzhou, China 511356  
Tel: 020-8297 5266  
Fax: 020-8297 5277

Bostik Australia Pty Ltd  
51-71 High street,  
Thomastown Victoria, Australia  
Tel: 613 9279-9333  
Fax: 613 9279-9342  
24-hr Emergency: 1800 033 111  
Bostik New Zealand Limited  
19 Eastern Hutt Road Wingate,  
Lower Hutt, New Zealand  
Tel: 04-567 5119  
Fax: 04-567 5412  
24-hr Emergency: 0800 243 622

## 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

<b>Prepared By</b>	Product Safety & Regulatory Affairs
<b>Revision Date</b>	05-Jul-2016
<b>Revision Note</b>	Not applicable.
<b>Training Advice</b>	No information available

## 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 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**