

BOSTIK LW
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 LW
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
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Manufacturer
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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

Carcinogenicity	Category 1A (6.7A)
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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

General Advice	Immediate medical attention is required.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.
Eye contact	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.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If symptoms persist, call a physician.
Self-protection of the First Aider	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 (CO₂). 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 (CO₂). 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 ³ STEL: 250 ppm STEL: 325 mg/m ³	TWA: 200 ppm TWA: 260 mg/m ³	TWA: 200 ppm TWA: 260 mg/m ³ S*

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

Eye/Face Protection	Wear safety glasses with side shields (or goggles).
Skin and Body Protection	Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
Hand Protection	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.
Respiratory Protection	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.
General Hygiene Considerations	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 Liquid
Color	Brown
Odor	Slight
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.5	
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 (%)	30
Density	1.15 g/cm ³
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 (CO₂). 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

- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 32.02 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 32.02 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 32.02 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 32.02 % 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 New Zealand Limited
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Tel: 04-567 5119
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24-hr Emergency: 0800 243 622

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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
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Training Advice	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