

**BOSTIK 9105 CURING AGENT**  
Revision Number 1

Revision Date 01-Feb-2019  
Supersedes Date: 01-Feb-2019

## Section 1: Identification: Product identifier and chemical identity

### Product Identifier

**Product Name** BOSTIK 9105 CURING AGENT

**Product Code(s)**

30608493  
30608493

### Other means of identification

**Proper Shipping Name** Adhesives

**UN Number** UN1133

**Pure substance/mixture** Mixture

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

**Recommended use** Curing chemical

**Uses advised against** No information available

### Details of manufacturer or importer

**Supplier**

Bostik Australia Pty Ltd  
51-71 High Street,  
Thomastown Victoria  
Australia  
Tel: 613 9279-9333  
Fax: 613 9279-9342

**ABN:** 79 003 893 838

**E-mail address** au-bostik-sds@bostik.com

### Emergency telephone number

Emergency telephone number 24-hr Emergency: 1800 033 111

## Section 2: Hazard(s) identification

### GHS Classification

Based on available information, this material is classified as hazardous according to criteria of Safe Work Australia

|   |                      |
|---|----------------------|
| <b>Flammable liquids</b>                                | Category 2           |
| <b>Acute toxicity - Inhalation (Vapors)</b>             | Category 4 - (H332)  |
| <b>Serious eye damage/eye irritation</b>                | Category 2A - (H319) |
| <b>Skin sensitization</b>                               | Category 1 - (H317)  |
| <b>Specific target organ toxicity (single exposure)</b> | Category 3 - (H336)  |

### Label Elements

Flame

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Exclamation mark



**Signal word**  
DANGER

**Hazard statements**

H225 - Highly flammable liquid and vapor  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H336 - May cause drowsiness or dizziness  
AUH066 - Repeated exposure may cause skin dryness or cracking

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Contaminated work clothing should not be allowed out of the workplace  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool  
Use explosion-proof electrical/ ventilating/ lighting/ equipment

**Precautionary Statements - Response**

Specific treatment (see supplementary first aid information on this label)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Inhalation of vapors in high concentration may cause irritation of respiratory system

**Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** S6

**Label requirements in accordance with SUSMP**

POISON  
KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

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## Section 3: Composition and information on ingredients, in accordance with Schedule 8

### Substance

Not applicable

### Mixture

| Chemical Name                    | CAS No.    | Weight-% |
|----------------------------------|------------|----------|
| Ethyl acetate                    | 141-78-6   | 30 - 60% |
| Aromatic Polyisocyanate          | 53317-61-6 | 30 - 60% |
| Benzene, 1,3-diisocyanatomethyl- | 26471-62-5 | < 0.5%   |

## Section 4: First aid measures

**Emergency telephone number** Poisons Information Center, Australia: 13 11 26  
Poisons Information Center, New Zealand: 0800 764 766

### FIRST AID

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

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician or poison control center immediately.

**Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

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

**Symptoms** Itching. Rashes. Hives. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Coughing and/ or wheezing. Difficulty in breathing.

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

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

## Section 5: Firefighting measures

### Suitable extinguishing media

**Suitable extinguishing media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** Do not use straight streams. CAUTION: Use of water spray when fighting fire may be

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inefficient.

## Special exposure hazards in a fire

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.

**Hazardous Combustion Products** Carbon oxides.

## Protective equipment and precautions for firefighters

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**Hazchem code** •3YE

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Keep people away from and upwind of spill/leak.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow to enter into soil/subsoil.

### 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. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Take up mechanically, placing in appropriate containers for disposal.

### Precautions to prevent secondary hazards

**Prevention of secondary hazards** Eliminate all ignition sources if safe to do so.

## Section 7: Handling and storage, including how the chemical may be safely used

### Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**General hygiene considerations** Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when

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using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

## **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store locked up. Keep out of the reach of children.

**Incompatible materials** Oxidizing agent.

This material is a scheduled poison and must be stored, maintained and used in accordance with the relevant regulations

## **Section 8: Exposure controls and personal protection**

### **Control parameters**

#### **Exposure Limits**

| Chemical Name             | Australia   |
|---------------------------|---|
| Ethyl acetate<br>141-78-6 | 200 ppm TWA<br>720 mg/m <sup>3</sup> TWA<br>400 ppm STEL<br>1440 mg/m <sup>3</sup> STEL |

*OEL as published by Safe Work Australia*

### **Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## **Section 9: Physical and chemical properties**

### **Information on basic physical and chemical properties**

**Physical State** Liquid  
**Appearance** Liquid  
**Color** Colorless  
**Odor** Solvent  
**Odor Threshold** No information available

| <b><u>Property</u></b>                | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|---------------------------------------|----------------------|--------------------------------|
| <b>pH</b>                             | No data available    |                                |
| <b>Melting point / freezing point</b> | No data available    |                                |
| <b>Boiling point / boiling range</b>  | No data available    |                                |

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|  |                          |
|--|--------------------------|
| Flash Point                            | < 0 °C                   |
| Evaporation Rate                       | No data available        |
| Flammability (solid, gas)              | No data available        |
| Flammability Limit in Air              |                          |
| Upper flammability or explosive limits | 11.5                     |
| Lower flammability or explosive limits | 2.1                      |
| Vapor Pressure                         | 73.7                     |
| Vapor Density                          | No data available        |
| Relative Density                       | 1.03                     |
| Water Solubility                       | Insoluble in water       |
| Solubility(ies)                        | No data available        |
| Partition coefficient                  | No data available        |
| Autoignition Temperature               | No data available        |
| Decomposition Temperature              | No data available        |
| Kinematic Viscosity                    |                          |
| Dynamic Viscosity                      | No data available        |
| Explosive properties                   | No information available |
| Oxidizing properties                   | No information available |
| <u>Other information</u>               |                          |
| Solid content (%)                      | No information available |
| VOC (volatile organic compound)        | No information available |
| Density                                | No information available |

## Section 10: Stability and reactivity

### Reactivity

Reactivity No information available.

### Chemical stability

Stability Stable under normal conditions.

### Explosion Data

Sensitivity to mechanical impact None.  
Sensitivity to static discharge Yes.

### Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### Conditions to avoid

Conditions to avoid Heat, flames and sparks. Excessive heat.

### Incompatible materials

Incompatible materials Oxidizing agent.

### Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## Section 11: Toxicological information

### Acute Toxicity

### Information on likely routes of exposure

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## Product information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation of respiratory tract. May cause drowsiness or dizziness. Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).   |
| <b>Eye contact</b>  | Causes serious eye irritation. May cause redness, itching, and pain.  |
| <b>Skin contact</b> | May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause irritation. Prolonged contact may cause redness and irritation. |
| <b>Ingestion</b>    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.   |
| <b>Symptoms</b>     | Itching. Rashes. Hives. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Coughing and/ or wheezing.  |

## Numerical measures of toxicity - Product information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (inhalation-vapor) 17.56 mg/l

## Component Information

| Chemical Name                    | Oral LD50              | Dermal LD50                                    | Inhalation LC50                     |
|----------------------------------|------------------------|--|-------------------------------------|
| Ethyl acetate                    | = 5620 mg/kg ( Rat )   | > 18000 mg/kg ( Rabbit ) > 20 mL/kg ( Rabbit ) | LC0 29.3 mg/l air                   |
| Aromatic Polyisocyanate          | LD50 >2000 mg/Kg (Rat) | -  | LC50 >3.820 mg/L (Rat) 4h dust/mist |
| Benzene, 1,3-diisocyanatomethyl- | = 3060 mg/kg ( Rat )   | = 10000 mg/kg ( Rabbit )                       | = 0.107 mg/L ( Rat ) 4 h (Vapour)   |

See section 16 for terms and abbreviations

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

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | May cause skin irritation.               |
| <b>Serious eye damage/eye irritation</b> | Causes serious eye irritation.           |
| <b>Respiratory or skin sensitization</b> | May cause sensitization by skin contact. |
| <b>Germ cell mutagenicity</b>            | No information available.                |
| <b>Carcinogenicity</b>                   | .  |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                                  | Australia |
|--|-----------|
| Benzene, 1,3-diisocyanatomethyl-<br>26471-62-5 | Carc. 2   |

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Reproductive toxicity</b>    | No information available.          |
| <b>STOT - single exposure</b>   | May cause drowsiness or dizziness. |
| <b>STOT - repeated exposure</b> | No information available.          |
| <b>Aspiration hazard</b>        | No information available.          |

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## Section 12: Ecological information

### Ecotoxicity

#### Ecotoxicity

| Chemical Name             | Algae/aquatic plants                                 | Fish  | Toxicity to Microorganisms  | Crustacea                              |
|---------------------------|--|---|---|--|
| Ethyl acetate<br>141-78-6 | EC50: =3300mg/L (48h,<br>Desmodesmus<br>subspicatus) | LC50: =484mg/L (96h,<br>Oncorhynchus mykiss)<br>LC50: 220 - 250mg/L<br>(96h, Pimephales<br>promelas) LC50: 352 -<br>500mg/L (96h,<br>Oncorhynchus mykiss) | EC50 = 1180 mg/L 5<br>min<br>EC50 = 1500 mg/L 15<br>min<br>EC50 = 5870 mg/L 15<br>min<br>EC50 = 7400 mg/L 2 h | EC50: =560mg/L (48h,<br>Daphnia magna) |

### Persistence and degradability

**Persistence and degradability** No information available.

### Bioaccumulative potential

**Bioaccumulative potential** There is no data for this product.

### Component Information

| Chemical Name             | Partition coefficient |
|---------------------------|-----------------------|
| Ethyl acetate<br>141-78-6 | 0.6                   |

### Mobility

**Mobility in soil** No information available.

**Mobility** No information available.

### Other Adverse Effects

**Other Adverse Effects** No information available.

## Section 13: Disposal considerations

### Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.

## Section 14: Transport information

### ADG

**UN Number** UN1133  
**Proper shipping name** Adhesives  
**Hazard Class** 3  
**Packing Group** II  
**Special Provisions** \*  
**Description** UN1133, Adhesives, 3, II

**Hazchem code** •3YE

### IATA



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**UN Number** UN1133  
**Transport hazard class(es)** 3  
**Packing Group** II  
**ERG Code** 3L  
**Special Provisions** A3  
**Limited Quantity (LQ)** 1 L  
**Description** UN1133, Adhesives, 3, II

## IMDG

**UN Number** UN1133  
**Transport hazard class(es)** 3  
**Packing Group** II  
**EmS-No.** F-E, S-D  
**Limited Quantity (LQ)** 5 L  
**Marine Pollutant** Np  
**Description** UN1133, Adhesives, 3, II, (0°C c.c.)

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available

## **Section 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

### National Regulations

#### Australia

See section 8 for national exposure control parameters

#### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** S6

#### **Major hazard (accident/incident planning) regulation**

Verify that license requirements are met

Named hazardous chemicals

| <b>Chemical Name</b>                           | <b>Threshold quantity (T)</b> |
|--|-------------------------------|
| Benzene, 1,3-diisocyanatomethyl-<br>26471-62-5 | 200 tonne TQ                  |

#### Hazardous chemical

Liquids that meet the criteria for Class 3 Packing Group II or III  
Liquids with flash points <61°C kept above their boiling points  
at ambient conditions

#### Threshold quantity (T)

50 000  
200

#### **National pollutant inventory**

Subject to reporting requirement

| <b>Chemical Name</b>                           | <b>National pollutant inventory</b>   |
|--|---|
| Ethyl acetate<br>141-78-6                      | 10 tonne/yr Threshold category 1<br>20 MW Threshold category 2b total<br>60000 MWH Threshold category 2b total<br>1 tonne/h Threshold category 2a total<br>25 tonne/yr Threshold category 1a total<br>400 tonne/yr Threshold category 2a total<br>2000 tonne/yr Threshold category 2b total |
| Benzene, 1,3-diisocyanatomethyl-<br>26471-62-5 | 20 MW Threshold category 2b total<br>60000 MWH Threshold category 2b total<br>1 tonne/h Threshold category 2a total   |

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|  |  |
|--|--|
|  | 25 tonne/yr Threshold category 1a total<br>400 tonne/yr Threshold category 2a total<br>2000 tonne/yr Threshold category 2b total |
|--|--|

## International Inventories

|              |        |
|--------------|--------|
| <b>AICS</b>  | Listed |
| <b>NZIoC</b> | Listed |
| <b>ENCS</b>  | Listed |
| <b>IECSC</b> | Listed |
| <b>KECL</b>  | Listed |
| <b>PICCS</b> | Listed |

### **Legend:**

- AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

## International Regulations

**Ozone-depleting substances (ODS)** Not applicable

**Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## **Section 16: Any other relevant information**

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 01-Feb-2019

### **Revision note**

The symbol (\*) in the margin of this SDS indicates that this line has been revised.

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

### **SECTION 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| C.      | Carcinogen                  |      |                                  |

### **Section 11: Toxicological information**

LD50 (lethal dose)

### **Section 12: Ecological information**

EC50 (effective concentration)

## **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**