

# Material Safety Data Sheet

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Infosafe No. 2BKPC Issue Date: November 2003 ISSUED by BOSTIK

Product Name: **BOSTIK 9101 CURING AGENT**

Classified as hazardous according to criteria of NOHSC

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## COMPANY DETAILS

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**Company Name** BOSTIK FINDLEY AUSTRALIA PTY LTD (ABN 003 893 838)  
**Address** 51 - 71 High Street Thomastown  
VIC 3074  
**Tel/Fax** Tel: 03 9279 9333 Fax: 03 9279 9270

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## IDENTIFICATION

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**Product Name** BOSTIK 9101 CURING AGENT**Proper Shipping Name** ETHYL ACETATE

<b>Other Names</b>	<b>Name</b>	<b>Mancode</b>
	Bostik 9101 Curing Agent, 60lt	250325
	Bostik 9101 Curing Agent, 25ml	044261
	Bostik 9101 Curing Agent, 200ml	044296
	Bostik 9101 Curing Agent, 750ml	250317
	Bostik 9101 Curing Agent, 4 litre	221422

**UN Number** 1173**DG Class** 3**Packing Group** II**Hazchem Code** 3[Y]E**Poisons Schedule** Not Scheduled**Product Use** An isocyanate curing agent for neoprene, nitrile and polyurethane adhesives where flexibility is required.

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## Physical Data

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**Appearance** Thin greenish/brownish/violet liquid with sweet aromatic odour.**Boiling Point** 77°C at 1013 mbar**Vapour Pressure** 97 hPa / 20°C**Specific Gravity** approx 1.0 / 20°C**Flash Point** -4°C**Flamm. Limit LEL** Lower: 2.1% Upper: 11.5%**Solubility in Water** Reacts with water

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## Other Properties

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## Ingredients

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<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	ethyl acetate	141-78-6	60-100 %
	Aromatic tri-isocyanate	2422-91-5	10-30 %
	Ingredients at levels determined not to be hazardous		to 100%

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## HEALTH HAZARD INFORMATION

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### Health Effects

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**Acute - Swallowed** Ingestion may result in nausea, vomiting, headache, drowsiness and dizziness.**Acute - Eye** Vapour and liquid may cause irritation.**Acute - Skin** Contact with skin may cause irritation.

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<b>Acute - Inhaled</b>	Inhalation of ethyl acetate vapours may cause irritation to mucous membranes and respiratory tract. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and, if exposure prolonged, unconsciousness.
<b>Chronic</b>	Repeated or prolonged skin contact can lead to dermatitis. This material contains isocyanate which may cause sensitisation of the respiratory system through repeated exposure to product fumes or aerosols.

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## First Aid

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<b>Swallowed</b>	If swallowed seek immediate medical advice.
<b>Eye</b>	Flush with large amounts of water for at least 15 minutes. Seek medical attention.
<b>Skin</b>	Remove contaminated clothing and footwear. Wash affected area thoroughly with soap and water. Seek medical attention if irritation occurs. Launder clothing before re-use.
<b>Inhaled</b>	Remove patient from contaminated area. Seek immediate medical advice.

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## Advice to Doctor

**Advice to Doctor** Treat symptomatically.

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## Other Health Hazard Information

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## PRECAUTIONS FOR USE

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<b>Exposure Limits</b>	No exposure standard is available for the material as such. Exposure standards for the hazardous components are as follows (NOHSC): Ethyl acetate: TWA: 200ppm (720mg/m <sup>3</sup> ), STEL: 400ppm (1440 mg/m <sup>3</sup> ) Isocyanates: TWA: 0.02mg/m <sup>3</sup> , STEL: 0.07mg/m <sup>3</sup> - Sensitiser TWA is the time weighted average concentration of the work atmosphere over a normal 8-hour work day and a 40-hour work week. Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TWAs are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TWAs should not be used as fine lines between safe and dangerous concentrations. Sensitiser - substances which can cause specific immune responses in some individuals. Initial exposure may cause 'sensitisation' then on subsequent exposures, even to minute levels of the material, severe reactions can occur including skin rash or inflammation or asthma. Persons who have a history of respiratory disorders are advised not to expose themselves to isocyanates.
<b>Eng. Controls</b>	Use only in a well ventilated area. Ventilation to be sufficient to ensure exposure to vapours is as low as practicable or at least below the recommended exposure standards. Local exhaust ventilation may be necessary.

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## Personal Protection

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<b>Protective Equip.</b>	Avoid contact with skin and eyes and avoid breathing vapour. The following personal protective equipment is recommended: Respiratory protection such as organic vapour cartridge mask or air supplied system if ventilation inadequate. Chemical resistant rubber gloves. Safety goggles. Overalls.
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## Flammability

**Fire Hazards** Highly flammable.

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## SAFE HANDLING INFORMATION

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## Storage and Transport

**Storage and Transport** Store under cool (below 40°C), dry conditions away from moisture, amines, alcohols, acids and alkalies.  
Classified as Class 3 (flammable substance) therefore should be stored and transported according to the relevant regulations in each state.

**Proper Shipping Name** ETHYL ACETATE

**EPG Number** 3A1

**IERG Number** 18

**Packaging Method** 5.9.3,RT1

## Spills and Disposal

**Spills & Disposal** Shut off all possible sources of ignition. Clean-up personnel to wear appropriate personal protective equipment. Increase ventilation. Contain spill with sand, earth, vermiculite or similiar inert absorbent material. Prevent run off into drains and water-ways. Prevent spreading of flammable vapours. Collect in clearly labelled containers, do not seal. Keep used absorbent damp and containers in a well ventilated area for several days (until all carbon dioxide has evolved). Dispose as per statutory regulations.

## Fire/Explosion Hazard

**Fire/Explos. Hazard** Vapours can readily form flammable/explosive mixtures with air at temperatures at or above flash point.  
Keep containers sealed when not in use.  
Take precautionary measures against static discharges.  
Hazardous decomposition products on heating and/or burning: oxides of carbon, smoke and other toxic fumes.  
Fire-fighting personnel to wear self-contained breathing apparatus and protective clothing.  
Extinguishing media: foam, carbon dioxide, dry chemical.  
Due to the volatility of this product containers are to be kept cool during a fire to prevent rupture.

**Hazardous Reaction** Incompatible with moisture, amines, alcohols, acids and alkali. Reacts with water to form carbon dioxide. Closed containers may rupture due to increase in pressure.

**Hazchem Code** 3[Y]E

## OTHER INFORMATION

**Toxicology** No toxicity data is available for the material as such.

**Environ. Protection** This material may be hazardous to the environment, do not discharge to drains and water-ways.

**Risk Statement**  
R11 Highly flammable.  
R18 In use, may form flammable/explosive vapour/air mixture.  
R36 Irritating to eyes.  
R67 Vapours may cause drowsiness and dizziness

**Safety Statement**  
S16 Keep away from sources of ignition - No smoking.  
S23 Do not breathe gas/fumes/vapour/spray  
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.  
S33 Take precautionary measures against static discharges.  
S38 If insufficient ventilation, wear suitable respiratory equipment.  
S51 Use only in well ventilated areas.

**Pkg. & Labelling** Classified as UN.No. 1173, Class 3 flammable liquid and hazardous substance (harmful) therefore should be packed and labelled according to the relevant regulations in each state.

**Hazard Category** Irritant

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**Manufacturers Advice** REASON FOR UPDATE: General revision  
SUPERSEDES: Issue dated 20th November, 1998

**Technical Data** Refer Product Information Bulletin.

**Other Information** N/A - None Assigned  
NOHSC-National Occupational Health and Safety Commission (Worksafe Aust.)

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## CONTACT POINT

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**Contact** & 24 hour Emergency Telephone  
Regulatory Affairs Officer  
ph (03) 9279 9320 or  
mobile 0419 335 187  
...End Of MSDS...