



The Chemical Company

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: MASTERFLEX PRIMER NO. 1

Other name: None allocated

Product code: 50251833

Recommended use: Primer for use with polyurethane sealants.

Supplier: BASF Construction Chemicals Australia Pty Ltd. BASF New Zealand Ltd.
ABN 46 000 450 288

Address: 11 Stanton Road, Seven Hills, NSW, 2147 Australia 45 William Pickering Drive, Albany, Auckland, New Zealand

Telephone number: +61 2 8811 4200 +64 9 414 7233

Facsimile: +61 2 8811 3299 +64 9 414 7244

Emergency telephone number: 0417 658 263

2. HAZARDS IDENTIFICATION

Hazard classification: HAZARDOUS SUBSTANCE. DANGEROUS GOODS
Hazardous substance according to the criteria of NOHSC
Dangerous goods for transport according to the ADG code

Hazard Designation: T Toxic
F Flammable

Risk phrase(s): R10 Flammable
R21/22 Harmful in contact with skin and if swallowed
R23 Toxic by inhalation
R40 Possible risk of irreversible effects
R42/43 May cause sensitisation by inhalation and skin contact
R61 May cause harm to the unborn child
R80 May impair fertility

Safety phrase(s): P-4 Contains isocyanates. See information supplied by the manufacturer
S23 Do not breath gas/fumes/vapour/spray
S38 In case of insufficient ventilation, wear suitable respiratory equipment
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
2-ethoxyethylacetate (T; R20/21/22, R60, R61)	111-15-9	30 - 60%
Xylene (Xn; R20/21, R38)	1330-20-7	30 - 60%
Toluene-di-isocyanate	nil	< 10%
Non hazardous ingredients		To 100%

MATERIAL SAFETY DATA SHEET

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4. FIRST AID MEASURES

- Inhalation: Use in well ventilated areas. If inhalation does occur, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention.
- Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.
- Skin: Remove contaminated clothing. Remove excess from skin mechanically. Wash contacted areas thoroughly with soap and water. Do not use solvent. If irritation develops seek medical attention. Wash contaminated clothing before re-use.
- Ingestion: Not a normal route of injury. Do not induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do NOT give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media: Alcohol resistant foam, Carbon dioxide (CO₂), and dry chemical powder.
- Hazards from combustion products: Product can form flammable mixtures or can burn only when heated above flash point. However, minor contamination by hydrocarbons of higher volatility may increase the hazard.
- Precautions for fire fighters: Fire fighters should wear self-contained breathing apparatus in enclosed areas.
- Hazchem code: 2W

6. ACCIDENTAL RELEASE MEASURES

- Methods and materials for containment and clean up: Spills should be collected and removed mechanically. Absorb in fire retardant treated saw dust, diatomaceous earth or similar material which can then be shovelled into appropriately labelled drums. Disposal should be effected by an approved waste disposal organisation according to local regulations.
- Environmental precautions: Do not empty into drains, sewers and waterways, and prevent from entering the soil. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

7. HANDLING AND STORAGE

- Precautions for safe handling: Wear personal protective equipment (PPE) as per Section 8. Provide for good ventilation. Avoid inhalation of vapours. Avoid skin contact. Harmful in contact with or if absorbed through the skin. Keep containers tightly closed when not in use. Ensure containers do not leak. Do not eat or drink during work – no smoking. Comply with health and safety at work laws.
- Conditions for safe storage: Store in a cool area. A flammable atmosphere can be produced in storage tank headspaces even when stored at a temperature below the flash point. Ensure there are no ignition sources in the area immediately surrounding filling and venting operations. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Ventilation: Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal Protective Equipment (PPE):

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003)

<u>Respiratory protection:</u>	Use in a well ventilated area. No special requirements under ordinary conditions of use and with adequate ventilation. Where ventilation is inadequate or in confined spaces respirators suitable for solvents and isocyanates must be worn.
<u>Glove type:</u>	Impervious gloves e.g. PVC or nitrile rubber gauntlets (AS2161)
<u>Eye protection:</u>	Chemical worker's goggles, well fitting safety glasses or full face shield.
<u>Clothing:</u>	No special clothing required, overalls or other suitable industrial clothing which provides full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.
<u>Other:</u>	Use barrier creams to protect skin from contact with the material. Do not eat drink or smoke while working with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Colourless liquid
<u>Odour:</u>	Solvent odour
<u>pH:</u>	Not applicable
<u>Flammability limits (%):</u>	UEL – not available LEL – not available
<u>Solubility in water:</u>	Immiscible
<u>Specific gravity:</u>	approx. 1.0 g/cm ³ (25°C)
<u>Viscosity</u>	approx. 100 mPa.s (25°C)
<u>Flash point:</u>	approx. 31°C

10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Normally stable when stored in original sealed containers in cool dry conditions. Not sensitive to mechanical impact.
<u>Incompatible materials:</u>	Avoid contact with strong oxidants such as liquid chlorine.
<u>Hazardous decomposition products:</u>	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, and hydrogen cyanide.
<u>Hazardous reactions:</u>	Avoid heat, open flames and sources of ignition.

11. TOXICOLOGICAL INFORMATION

<u>Health Hazard Summary:</u>	Existing respiratory or skin ailments may be aggravated by exposure. This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapours and/or the product contents (a process often called "sniffing") can be harmful or fatal. This product contains isocyanates. Prolonged repeated exposure to isocyanates can lead to skin sensitisation. For persons do sensitised even brief exposures to an isocyanate can produce reddening, swelling, rash or blisters. Similarly, prolonged and repeated exposure to isocyanates can lead to respiratory sensitisation. In such individuals, brief exposures to isocyanates at levels well below established exposure limits can produce chemical asthma and non-specific asthmatic conditions. Chronic overexposure to xylene can cause damage to the formed elements of blood [e.g. red cells, which carry oxygen].
<u>Inhalation:</u>	Can cause severe respiratory irritation. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Inhalation of high vapour concentrations can cause CNS-depression and narcosis. Prolonged inhalation can be harmful.

MATERIAL SAFETY DATA SHEET

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Eyes: Can cause moderate to severe irritation, redness, tearing and blurred vision

Skin contact: Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated exposure can cause skin irritation and redness. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitisation by skin contact.

Ingestion: Irritating to mouth, throat and stomach. Intake can cause gastrointestinal irritation, nausea and vomiting

12. ECOLOGICAL INFORMATION

Ecology: Do not discharge into drains, sewers or waterways. Do not allow to be absorbed into the soil. Degradability not determined.

13. DISPOSAL CONSIDERATIONS

Disposal method and containers: Ensure containers are sealed. Avoid dust generation. Dispose of to an approved land fill site. Refer to Waste Management Authority.

Special precautions for landfill/incineration: None known

14. TRANSPORT INFORMATION

UN number: 3080

UN proper shipping name: ISOCYANATE SOLUTIONS, TOXIC, FLAMMABLE, N.O.S. (CONTAINS TOLUENE DIISOCYANATE + ETHYL GLYCOL ACETATE/XYLENE)

Dangerous goods class: 6.1

Subsidiary risk: 3

Packing group: II

EPG card: 6C3

Hazchem code: 2W

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP): None allocated
All ingredients listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Reason for issue: Update health and safety data. New product code due to change of company to BASF and BASF system

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.