



The Chemical Company

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003) and HSNO CoP 8-1 (September 2006)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: MASTERTOP BC 375 AS PART B

Other name: MASTERTOP 1328 Anti-static flooring system: Body Coat Part B

Recommended use: Part B of a two component, anti-static solvent free polyurethane self-levelling floor coating.

Supplier: BASF Construction Chemicals Australia Pty Ltd. BASF New Zealand Ltd.
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2. HAZARDS IDENTIFICATION

Hazard classification: HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.
Non dangerous goods for transport according to the ADG code.
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and NOHSC.

Hazard Designation: Xn Harmful

HSNO Classification

6.1D	Acutely toxic (inhalation)
6.3A	Irritating to the skin
6.4A	Irritating to the eyes
6.5A	Respiratory sensitiser
6.5B	Contact sensitiser (dermal)
6.9	Irritating to the respiratory system

Risk phrase(s):

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.

Safety phrase(s):

S2	Keep out of reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35	This material and its container must be disposed of in a safe way.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well ventilated areas.
S63	In case of accident by inhalation, remove casualty to fresh air and keep at rest.
S64	If swallowed, rinse mouth with plenty of water (only if the person is conscious)

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3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Diphenylmethane diisocyanate: Isomers and homologues	9016-87-9	> 60%
Non hazardous ingredients		to 100%

4. FIRST AID MEASURES

<u>Inhalation:</u>	Take the casualty into the fresh air and keep warm. Keep at rest. If breathing is difficult, give oxygen. Seek medical attention immediately.
<u>Eyes:</u>	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.
<u>Skin:</u>	Immediately remove all contaminated clothing. Wash contacted area thoroughly with soap and plenty of water and rinse. Do NOT use solvents or thinners. Seek medical attention in the event of irritation.
<u>Ingestion:</u>	Not a normal route of injury. Contact a doctor immediately. Do NOT induce vomiting. Wash mouth with water and seek medical attention immediately.

5. FIRE FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	Alcohol resistant foam, CO ₂ , Dry Chemical and Water Spray. Do not use Water Jet.
<u>Hazards from combustion products:</u>	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. During a fire, carbon monoxide, nitrogen oxide, isocyanate vapours and traces of hydrogen cyanide may be given off.
<u>Precautions for fire fighters:</u>	Appropriate breathing apparatus may be required. Cool endangered containers with water in case of fire. Do not allow the extinguishing water into the sewage system.
<u>Hazchem code:</u>	None allocated

6. ACCIDENTAL RELEASE MEASURES

<u>Methods & materials for containment & clean up:</u>	Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Small or major spills should be adsorbed with dry, inert filler (e. vermiculite, soil or sand), which can then be shovelled into appropriately labelled drums for disposal according to local regulations (see Section 13). Do not seal drums as carbon dioxide may be given off.
<u>Environmental precautions:</u>	Do not allow to enter into drains, sewers or waterways. If the product contaminates lakes, rivers or sewage system, inform appropriate authorities in accordance with local regulations.

7. HANDLING AND STORAGE

<u>Precautions for safe handling:</u>	Provide for fresh air ventilation. Do not inhale the vapour. Avoid contact with skin and eyes. Do not eat, drink or smoke while working with this material or while working in the general area during application. Wash hands thoroughly before eating, drinking or smoking. Use a barrier cream before and after working with this product. Comply with all health and safety at work laws.
<u>Conditions for safe storage:</u>	Store in a cool, dry and well ventilated area. Containers should be kept dry and sealed. Store under cover and away from direct sunlight, heat and moisture. In contact with moisture, carbon dioxide (CO ₂) is formed which leads to excess pressure in closed containers. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store away from strong oxidising agents, alcohols, strongly alkaline

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and strongly acidic materials. Exothermic reaction with amines and alcohol. Store at 5 - 35°C. Avoid long-term exposure to elevated temperature (> 50°C). Avoid cooling to under 0°C. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Engineering Controls:</u>	Provide 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. Sensitised persons are not recommended to work with this product.
<u>Exposure Standards</u>	Isocyanates, all (Sensitiser) ES-TWA: 0.2 mg/m ³ ES STEL: 0.7 mg/m ³ NZ WES TWA: 0.2 mg/m ³ NZ WES STEL: 0.7 mg/m ³
<u>Personal Protective Equipment (PPE):</u>	
<u>Respiratory protection:</u>	If spraying: air supplied respirator. Other operations than spraying: If workplace is well ventilated, air supplied respirators could be replaced by a combination of charcoal filter and particulate filter mask. Refer to specialist mask supplier.
<u>Glove type (AS2161):</u>	Butyl rubber gauntlets (>= 0.5 mm for >= 480 min). When using other gloves with a lower endurance, change them more often.
<u>Eye protection:</u>	Safety goggles, safety glasses with side-shields, face shield.
<u>Clothing:</u>	General protective clothing such as overalls or long pants and a long sleeve shirt or a chemical apron. Remove contaminated clothing as soon as possible and launder thoroughly before reusing. For large spills or ponded areas impervious footwear is preferred..
<u>Other:</u>	Use barrier creams to protect skin from contact 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>	Dark brown liquid
<u>Odour:</u>	Musty, characteristic
<u>pH:</u>	Not available
<u>Vapour pressure:</u>	< 0.0001 hPa (50°C)
<u>Solubility in water:</u>	Insoluble
<u>Specific gravity:</u>	Approx. 1.25 g/cm ³ at 20°C
<u>Flash point:</u>	Approx. 220 °C (DIN 53213)
<u>Boiling point:</u>	Not available
<u>Melting point:</u>	< 0 °C (1013 hPa)
<u>Ignition temperature:</u>	> 400 °C
<u>Decomposition point:</u>	Approx. 260 °C (101300 Pa)
<u>Flammability limits:</u>	Not available
<u>Viscosity:</u>	Approx. 100 mPa.s (23°C)

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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 oxidising agents, strongly alkaline and strongly acid materials. Exothermic reaction with amines and alcohol. In contact with moisture, carbon dioxide (CO ₂) is formed which leads to excess pressure in closed containers.
<u>Hazardous decomposition products:</u>	May evolve toxic gases if heated to decomposition. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide; carbon dioxide; smoke and oxides of nitrogen.
<u>Hazardous reactions:</u>	Avoid contact with oxidising agents, strongly alkaline and strongly acid materials. Exothermic reaction with amines and alcohol. In contact with moisture, carbon dioxide (CO ₂) is formed which leads to excess pressure in closed containers.

11. TOXICOLOGICAL INFORMATION

<u>Inhalation:</u>	The vapour is likely to be irritating to the respiratory system and may cause acute irritation and/or sensitisation of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL (Occupational Exposure Limit). Repeated exposure may lead to permanent respiratory disability. Delayed reactions possible (breathing problems, coughs, asthma).
<u>Eyes:</u>	Eye contact may cause irritation.
<u>Skin contact:</u>	Mild skin irritation and redness from prolonged contact.
<u>Ingestion:</u>	The product is harmful by ingestion.
<u>Toxicity Data:</u>	The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Is converted in connection with water in a solid, insoluble and inert polyurea, liberating CO ₂ . Do not discharge into waterways, sewers or drains.
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13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium. In accordance with local official regulations, pass on to an appropriate incinerating plant or depository or recycling. Residue can be made harmless by reacting with a mixture of isopropanol, ammonia and water. Reaction promoted by detergents and water-soluble solvent.
<u>Special precautions (landfill/incineration):</u>	None known

14. TRANSPORT INFORMATION

<u>UN number:</u>	None allocated
<u>Proper shipping name:</u>	None allocated
<u>Dangerous goods class:</u>	None allocated

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<u>Subsidiary risk:</u>	None allocated
<u>Packing group:</u>	None allocated
<u>Hazchem code:</u>	None allocated

15. REGULATORY INFORMATION

NICNAS / AICS:	All components are listed
Poisons Schedule:	Not Scheduled
HSNO Classifications:	6.1D, 6.3A, 6.4A, 6.5A, 6.5B, 6.9
ERMA Group Standard:	HSR002544
ERMA / NZIoC:	All components are listed
Tracking:	Not required
Approved Handler:	Not required

16. OTHER INFORMATION

Reason for issue: Update to combined Australia and New Zealand MSDS.

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.