

Safety data sheet

Page: 1/9

BASF Safety data sheet
Date / Revised: 01.09.2011
Product: **MASTERTOP TC 495**

Version: 1.0

(30431770/SDS_GEN_AU/EN)

Date of print 02.09.2011

1. Substance/preparation and company identification

MASTERTOP TC 495

Use: Product for construction chemicals

Company:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

HAZARDOUS SUBSTANCE, DANGEROUS GOOD

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

May cause sensitization by inhalation and skin contact.

Keep out of the reach of children.

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

Wear suitable protective clothing and gloves.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Use only in well-ventilated areas.

In case of accident by inhalation: remove casualty to fresh air and keep at rest.

3. Composition/information on ingredients

Chemical nature

Preparation based on: organic compounds

Hazardous ingredients

xylene

Content (W/W): $\geq 25\%$ - $< 75\%$

CAS Number: 1330-20-7

Hazard symbol(s): Xn

R-phrases: 10, 20/21, 38

4,4'-methylenedicyclohexyl diisoncyanate

Content (W/W): $\geq 0\%$ - $< 2.5\%$

CAS Number: 5124-30-1

Hazard symbol(s): T

R-phrases: 23, 36/37/38, 42/43

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

On skin contact:

Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting due to aspiration hazard. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
dry powder, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
See MSDS section 7 - Handling and storage.

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:
The degree of risk is governed by the burning substance and the fire conditions. Containers may rocket or explode in heat of fire. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Avoid prolonged inhalation. Avoid contact with the skin, eyes and clothing. Avoid all sources of ignition: heat, sparks, open flame.

Environmental precautions:
Prevent spread over a wide area (e.g. by containment or oil barriers). Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:
For large amounts: Pump off product.
For residues: Pick up with inert absorbent material (e.g. sand, earth etc.). Correctly dispose of recovered product immediately.

7. Handling and Storage

Handling

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Provide good room ventilation even at ground level (vapours are heavier than air).

Protection against fire and explosion:
Sources of ignition should be kept well clear. Take precautionary measures against static discharges. Substance/product can form explosive mixture with air. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

Storage

Suitable materials for containers: tin (tinplate), carbon steel (iron)
Further information on storage conditions: Keep container tightly closed and in a well-ventilated place.
Keep away from heat. Avoid all sources of ignition: heat, sparks, open flame.

8. Exposure controls and personal protection

Components with workplace control parameters

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)
STEL value 150 ppm (ACGIHTLV)
TWA value 350 mg/m³ ; 80 ppm (OEL (AU))
STEL value 655 mg/m³ ; 150 ppm (OEL (AU))

1-methoxy-2-propylacetate, 108-65-6;

TWA value 274 mg/m³ ; 50 ppm (OEL (AU))
STEL value 548 mg/m³ ; 100 ppm (OEL (AU))
Skin Designation (OEL (AU))
The substance can be absorbed through the skin.

4,4'-methylenedicyclohexyl diisoncyanate, 5124-30-1;

TWA value 0.02 mg/m³ (OEL (AU))
STEL value 0.07 mg/m³ (OEL (AU))

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point <65 °C, f.e. EN 14387 Type AX)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen based on level of activity and exposure., Antistatic apron

General safety and hygiene measures:

Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and/or repeated contact with the skin. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

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9. Physical and Chemical Properties

Form:	liquid
Odour:	product specific
pH value:	neutral to slightly alkaline
Boiling point:	137 - 143 °C
Flash point:	29 °C
Flammability:	Flammable.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	5.2 hPa (38 °C)
Density:	0.98 g/cm ³ (20 °C)
Bulk density:	not applicable

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition: Vapours may form explosive mixture with air. No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

strong oxidizing agents, strong bases, strong acids

Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Of moderate toxicity after short-term skin contact. The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation

Assessment of irritating effects:

Skin contact causes irritation. The product has not been tested. The statement has been derived from the properties of the individual components.

Sensitization

Assessment of sensitization:

The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Genetic toxicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

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Acutely toxic for aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

Mobility

Assessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Additional information

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal Considerations

Observe national and local legal requirements.

The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Domestic transport:

Hazard class:	3
Packing group:	III
ID number:	UN 1866
Hazard label:	3
Proper shipping name:	RESIN SOLUTION (contains XYLENE)

Further information

Hazchem Code:3Y

IERG Number:14

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Sea transport

IMDG

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Marine pollutant: NO
Proper shipping name: RESIN SOLUTION (contains XYLENE)

Air transport

IATA/ICAO

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION (contains XYLENE)

15. Regulatory Information

Poisons Schedule: Not scheduled

Regulations of the European union (Labelling)Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)

Xn Harmful.

R-phrase(s)

R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.
R42/43 May cause sensitization by inhalation and skin contact.

S-phrase(s)

S2 Keep out of the reach of children.
S23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
S36/37 Wear suitable protective clothing and gloves.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S51 Use only in well-ventilated areas.
S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Hazard determining component(s) for labelling: XYLENE,
DICYCLOHEXYLMETHANE-4,4'-DI-ISOCYANATE

